

# Kristen Rak

## List of Publications by Year in descending order

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42  
papers

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citations

1040056

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h-index

888059

17  
g-index

45  
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45  
docs citations

45  
times ranked

442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubule and auditory function “ an underestimated connection. <i>Seminars in Cell and Developmental Biology</i> , 2023, 137, 74-86.	5.0	3
2	Vestibular Aqueduct Morphology and Meniere's Disease“Development of the “Vestibular Aqueduct Score”by 3D Analysis. <i>Frontiers in Surgery</i> , 2022, 9, 747517.	1.4	4
3	Evaluation of the Neurogenic Potential in the Rat Inferior Colliculus from Early Postnatal Days Until Adulthood. <i>Molecular Neurobiology</i> , 2021, 58, 719-734.	4.0	5
4	Button batteries and typical swallowed foreign bodies can be differentiated in high-resolution X-Rays. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2021, 142, 110604.	1.0	3
5	Different Neurogenic Potential in the Subnuclei of the Postnatal Rat Cochlear Nucleus. <i>Stem Cells International</i> , 2021, 2021, 1-15.	2.5	1
6	Long-Term, Multicenter Results With the First Transcutaneous Bone Conduction Implant. <i>Otology and Neurotology</i> , 2021, 42, 858-866.	1.3	12
7	Transplantation of adipose-derived stromal cells protects functional and morphological auditory nerve integrity in a model of cochlear implantation. <i>NeuroReport</i> , 2021, 32, 776-782.	1.2	1
8	Implementation of secondary reconstructions of flat-panel volume computed tomography (fpVCT) and otological planning software for anatomically based cochlear implantation. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021, , 1.	1.6	8
9	Cochlear Duct Length Measurements in Computed Tomography and Magnetic Resonance Imaging Using Newly Developed Techniques. <i>OTO Open</i> , 2021, 5, 2473974X211045312.	1.4	7
10	Precise evaluation of the postoperative cochlear duct length by flat-panel volume computed tomography “ Application of secondary reconstructions. <i>Cochlear Implants International</i> , 2021, , 1-11.	1.2	3
11	Utilization of Smartphone Depth Mapping Cameras for App-Based Grading of Facial Movement Disorders: Development and Feasibility Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e19346.	3.7	10
12	Precise Evaluation of the Cochlear Duct Length by Flat-panel Volume Computed Tomography (fpVCT)“Implication of Secondary Reconstructions. <i>Otology and Neurotology</i> , 2021, 42, e294-e303.	1.3	9
13	Spontaneous Calcium Oscillations through Differentiation: A Calcium Imaging Analysis of Rat Cochlear Nucleus Neural Stem Cells. <i>Cells</i> , 2021, 10, 2802.	4.1	1
14	Usefulness of cochlear implantation in children with single sided deafness. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 130, 109808.	1.0	26
15	Direct Drive Simulation“Preoperative Sound Simulation of “Vibroplasty-Hearing”in Patients With Mixed Hearing Loss. <i>Otology and Neurotology</i> , 2020, 41, 494-503.	1.3	0
16	Cochlear implantation in children without preoperative computed tomography diagnostics. Analysis of procedure and rate of complications. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 138, 110266.	1.0	7
17	Severe tracheobronchial harm due to lithium button battery aspiration: An in vitro study of the pathomechanism and injury pattern. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 139, 110431.	1.0	6
18	Spatio-temporal distribution of tubulin-binding cofactors and posttranslational modifications of tubulin in the cochlea of mice. <i>Histochemistry and Cell Biology</i> , 2020, 154, 671-681.	1.7	8

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19	Systematic analysis of button batteriesâ€™™, euro coinsâ€™™, and disk magnetsâ€™™ radiographic characteristics and the implications for the differential diagnosis of round radiopaque foreign bodies in the esophagus. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 132, 109917.	1.0	8
20	Evaluation and therapy outcome in children with auditory neuropathy spectrum disorder (ANSD). <i>International Journal of Pediatric Otorhinolaryngology</i> , 2019, 127, 109681.	1.0	11
21	Isolation and Characterization of Neural Stem Cells from the Rat Inferior Colliculus. <i>Stem Cells International</i> , 2019, 2019, 1-12.	2.5	14
22	Bilateral cochlear implantation is regarded as very beneficial: results from a worldwide survey by online questionnaire. <i>European Archives of Oto-Rhino-Laryngology</i> , 2019, 276, 679-683.	1.6	4
23	A polydopamine peptide coating enables adiposeâ€™derived stem cell growth on the silicone surface of cochlear implant electrode arrays. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1431-1438.	3.4	8
24	Patterned semiconductor structures modulate neuronal outgrowth: Implication for the development of a neurobionic interface. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 65-72.	4.0	0
25	Cochlear Implantation in Chronic Otitis Media: Investigation of Long-term Speech Comprehension and Rate of Complications. <i>Otology and Neurotology</i> , 2018, 39, e979-e984.	1.3	10
26	Surgical Impact of Coupling an Active Middle Ear Implant to Short Incus Process. <i>Otology and Neurotology</i> , 2018, 39, 688-692.	1.3	8
27	Adipose-derived stromal cells enhance auditory neuron survival in an animal model of sensory hearing loss. <i>Cytotherapy</i> , 2017, 19, 1197-1207.	0.7	4
28	Stable Longitudinal Performance of Adult Cochlear Implant Users for More Than 10 Years. <i>Otology and Neurotology</i> , 2017, 38, e315-e319.	1.3	9
29	Pathophysiology of esophageal impairment due to button battery ingestion. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2017, 100, 77-85.	1.0	41
30	Coupling of an active middle-ear implant to the long process of the incus using an elastic clip attachment. <i>Hearing Research</i> , 2016, 340, 179-184.	2.0	12
31	Chronic exposure of low dose salinomycin inhibits MSC migration capability in vitro. <i>Biomedical Reports</i> , 2016, 4, 325-330.	2.0	7
32	Effects of salinomycin and CGP37157 on head and neck squamous cell carcinoma cell lines in vitro. <i>Molecular Medicine Reports</i> , 2015, 12, 4455-4461.	2.4	8
33	Cochlear nucleus whole mount explants promote the differentiation of neuronal stem cells from the cochlear nucleus in co-culture experiments. <i>Brain Research</i> , 2015, 1616, 58-70.	2.2	8
34	Mosaic pattern of Cre recombinase expression in cochlear outer hair cells of the Brn3.1 Cre mouse. <i>NeuroReport</i> , 2015, 26, 309-313.	1.2	5
35	Neurotrophic effects of taurine on spiral ganglion neurons in vitro. <i>NeuroReport</i> , 2014, 25, 1250-1254.	1.2	10
36	Effects of the neurotrophic factors BDNF, NT-3, and FGF2 on dissociated neurons of the cochlear nucleus. <i>NeuroReport</i> , 2014, 25, 960-964.	1.2	6

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37	Dynamic changes of the neurogenic potential in the rat cochlear nucleus during post-natal development. <i>Experimental Brain Research</i> , 2013, 226, 393-406.	1.5	10
38	Mutation of the TBCE gene causes disturbance of microtubules in the auditory nerve and cochlear outer hair cell degeneration accompanied by progressive hearing loss in the pmn/pmn mouse. <i>Experimental Neurology</i> , 2013, 250, 333-340.	4.1	7
39	Intraoperative Monitoring Using Cochlear Microphonics in Cochlear Implant Patients With Residual Hearing. <i>Otology and Neurotology</i> , 2012, 33, 348-354.	1.3	68
40	Isolation and characterization of neural stem cells from the neonatal rat cochlear nucleus. <i>Cell and Tissue Research</i> , 2011, 343, 499-508.	2.9	20
41	Growth behavior of cochlear nucleus neuronal cells on semiconductor substrates. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 158-166.	4.0	9
42	Valproic acid blocks excitability in SMA type I mouse motor neurons. <i>Neurobiology of Disease</i> , 2009, 36, 477-487.	4.4	21