

# Sarath Vijayakumar

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

917  
citations

516710

16  
h-index

610901

24  
g-index

27  
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27  
docs citations

27  
times ranked

1222  
citing authors

#	ARTICLE	IF	CITATIONS
1	AZD5438-PROTAC: A selective CDK2 degrader that protects against cisplatin- and noise-induced hearing loss. <i>European Journal of Medicinal Chemistry</i> , 2021, 226, 113849.	5.5	17
2	Retinoic acid degradation shapes zonal development of vestibular organs and sensitivity to transient linear accelerations. <i>Nature Communications</i> , 2020, 11, 63.	12.8	43
3	Spatiotemporally controlled overexpression of cyclin D1 triggers generation of supernumerary cells in the postnatal mouse inner ear. <i>Hearing Research</i> , 2020, 390, 107951.	2.0	6
4	Spontaneous mutations of the <i>Zpld1</i> gene in mice cause semicircular canal dysfunction but do not impair gravity receptor or hearing functions. <i>Scientific Reports</i> , 2019, 9, 12430.	3.3	10
5	Sodium-activated potassium channels shape peripheral auditory function and activity of the primary auditory neurons in mice. <i>Scientific Reports</i> , 2019, 9, 2573.	3.3	30
6	Mechanism Underlying the Effects of Estrogen Deficiency on Otoconia. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2018, 19, 353-362.	1.8	20
7	Loss of $\pm$ -Calcitonin Gene-Related Peptide ( $\pm$ CGRP) Reduces Otolith Activation Timing Dynamics and Impairs Balance. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 289.	2.9	21
8	Early uneven ear input induces long-lasting differences in left-right motor function. <i>PLoS Biology</i> , 2018, 16, e2002988.	5.6	5
9	<i>Gfi1Cre</i> mice have early onset progressive hearing loss and induce recombination in numerous inner ear non-hair cells. <i>Scientific Reports</i> , 2017, 7, 42079.	3.3	53
10	Gene Therapy Restores Balance and Auditory Functions in a Mouse Model of Usher Syndrome. <i>Molecular Therapy</i> , 2017, 25, 780-791.	8.2	132
11	The Severity of Vestibular Dysfunction in Deafness as a Determinant of Comorbid Hyperactivity or Anxiety. <i>Journal of Neuroscience</i> , 2017, 37, 5144-5154.	3.6	18
12	Heterodimeric capping protein is required for stereocilia length and width regulation. <i>Journal of Cell Biology</i> , 2017, 216, 3861-3881.	5.2	48
13	Rescue of peripheral vestibular function in Usher syndrome mice using a splice-switching antisense oligonucleotide. <i>Human Molecular Genetics</i> , 2017, 26, 3482-3494.	2.9	29
14	Nicotinic acetylcholine receptors regulate vestibular afferent gain and activation timing. <i>Journal of Comparative Neurology</i> , 2017, 525, 1216-1233.	1.6	21
15	Annexin A5 is the Most Abundant Membrane-Associated Protein in Stereocilia but is Dispensable for Hair-Bundle Development and Function. <i>Scientific Reports</i> , 2016, 6, 27221.	3.3	28
16	Plastin 1 widens stereocilia by transforming actin filament packing from hexagonal to liquid. <i>Journal of Cell Biology</i> , 2016, 215, 467-482.	5.2	54
17	Differential effects of <i>Cdh23</i> 753A on auditory and vestibular functional aging in C57BL/6J mice. <i>Neurobiology of Aging</i> , 2016, 43, 13-22.	3.1	29
18	A study of whirlin isoforms in the mouse vestibular system suggests potential vestibular dysfunction in <i>DFNB31</i> -deficient patients. <i>Human Molecular Genetics</i> , 2015, 24, ddv403.	2.9	16

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19	Spiral Ganglion Degeneration and Hearing Loss as a Consequence of Satellite Cell Death in Saposin B-Deficient Mice. <i>Journal of Neuroscience</i> , 2015, 35, 3263-3275.	3.6	24
20	Deletion of Shank1 has minimal effects on the molecular composition and function of glutamatergic afferent postsynapses in the mouse inner ear. <i>Hearing Research</i> , 2015, 321, 52-64.	2.0	18
21	Vestibular dysfunction, altered macular structure and trait localization in A/J inbred mice. <i>Mammalian Genome</i> , 2015, 26, 154-172.	2.2	13
22	RFX transcription factors are essential for hearing in mice. <i>Nature Communications</i> , 2015, 6, 8549.	12.8	142
23	Vestibular dysfunction in alpha9 and alpha9/10 knockout mice. <i>Biochemical Pharmacology</i> , 2013, 86, 1236-1237.	4.4	0
24	Progressive hearing loss and gradual deterioration of sensory hair bundles in the ears of mice lacking the actin-binding protein Eps8L2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13898-13903.	7.1	68
25	The adequate stimulus for mammalian linear vestibular evoked potentials (VsEPs). <i>Hearing Research</i> , 2011, 280, 133-140.	2.0	72