Sarath Vijayakumar

List of Publications by Year
in descending order

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25	917	516710 16	610901 24
papers	citations	h-index	g-index

27	27	27	1222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RFX transcription factors are essential for hearing in mice. Nature Communications, 2015, 6, 8549.	12.8	142
2	Gene Therapy Restores Balance and Auditory Functions in a Mouse Model of Usher Syndrome. Molecular Therapy, 2017, 25, 780-791.	8.2	132
3	The adequate stimulus for mammalian linear vestibular evoked potentials (VsEPs). Hearing Research, 2011, 280, 133-140.	2.0	72
4	Progressive hearing loss and gradual deterioration of sensory hair bundles in the ears of mice lacking the actin-binding protein Eps8L2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13898-13903.	7.1	68
5	Plastin 1 widens stereocilia by transforming actin filament packing from hexagonal to liquid. Journal of Cell Biology, 2016, 215, 467-482.	5.2	54
6	Gfi1Cre mice have early onset progressive hearing loss and induce recombination in numerous inner ear non-hair cells. Scientific Reports, 2017, 7, 42079.	3.3	53
7	Heterodimeric capping protein is required for stereocilia length and width regulation. Journal of Cell Biology, 2017, 216, 3861-3881.	5.2	48
8	Retinoic acid degradation shapes zonal development of vestibular organs and sensitivity to transient linear accelerations. Nature Communications, 2020, 11, 63.	12.8	43
9	Sodium-activated potassium channels shape peripheral auditory function and activity of the primary auditory neurons in mice. Scientific Reports, 2019, 9, 2573.	3.3	30
10	Differential effects of Cdh23 753A on auditory and vestibular functional aging in C57BL/6J mice. Neurobiology of Aging, 2016, 43, 13-22.	3.1	29
11	Rescue of peripheral vestibular function in Usher syndrome mice using a splice-switching antisense oligonucleotide. Human Molecular Genetics, 2017, 26, 3482-3494.	2.9	29
12	Annexin A5 is the Most Abundant Membrane-Associated Protein in Stereocilia but is Dispensable for Hair-Bundle Development and Function. Scientific Reports, 2016, 6, 27221.	3.3	28
13	Spiral Ganglion Degeneration and Hearing Loss as a Consequence of Satellite Cell Death in Saposin B-Deficient Mice. Journal of Neuroscience, 2015, 35, 3263-3275.	3.6	24
14	Nicotinic acetylcholine receptors regulate vestibular afferent gain and activation timing. Journal of Comparative Neurology, 2017, 525, 1216-1233.	1.6	21
15	Loss of Î±-Calcitonin Gene-Related Peptide (Î±CGRP) Reduces Otolith Activation Timing Dynamics and Impairs Balance. Frontiers in Molecular Neuroscience, 2018, 11, 289.	2.9	21
16	Mechanism Underlying the Effects of Estrogen Deficiency on Otoconia. JARO - Journal of the Association for Research in Otolaryngology, 2018, 19, 353-362.	1.8	20
17	Deletion of Shank1 has minimal effects on the molecular composition and function of glutamatergic afferent postsynapses in the mouse inner ear. Hearing Research, 2015, 321, 52-64.	2.0	18
18	The Severity of Vestibular Dysfunction in Deafness as a Determinant of Comorbid Hyperactivity or Anxiety. Journal of Neuroscience, 2017, 37, 5144-5154.	3.6	18

#	Article	IF	Citations
19	AZD5438-PROTAC: A selective CDK2 degrader that protects against cisplatin- and noise-induced hearing loss. European Journal of Medicinal Chemistry, 2021, 226, 113849.	5.5	17
20	A study of whirlin isoforms in the mouse vestibular system suggests potential vestibular dysfunction inDFNB31-deficient patients. Human Molecular Genetics, 2015, 24, ddv403.	2.9	16
21	Vestibular dysfunction, altered macular structure and trait localization in A/J inbred mice. Mammalian Genome, 2015, 26, 154-172.	2.2	13
22	Spontaneous mutations of the Zpld1 gene in mice cause semicircular canal dysfunction but do not impair gravity receptor or hearing functions. Scientific Reports, 2019, 9, 12430.	3.3	10
23	Spatiotemporally controlled overexpression of cyclin D1 triggers generation of supernumerary cells in the postnatal mouse inner ear. Hearing Research, 2020, 390, 107951.	2.0	6
24	Early uneven ear input induces long-lasting differences in leftâ€“right motor function. PLoS Biology, 2018, 16, e2002988.	5.6	5
25	Vestibular dysfunction in alpha9 and alpha9/10 knockout mice. Biochemical Pharmacology, 2013, 86, 1236-1237.	4.4	0