

Anthony W Peng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

713
citations

12
h-index

22
g-index

22
ext. papers

911
ext. citations

10
avg, IF

4.01
L-index

#	Paper	IF	Citations
18	Mechanosensitive hair cell-like cells from embryonic and induced pluripotent stem cells. <i>Cell</i> , 2010 , 141, 704-16	56.2	243
17	Adaptation of mammalian auditory hair cell mechanotransduction is independent of calcium entry. <i>Neuron</i> , 2013 , 80, 960-72	13.9	72
16	Twinfilin 2 regulates actin filament lengths in cochlear stereocilia. <i>Journal of Neuroscience</i> , 2009 , 29, 15083-8	6.6	70
15	Integrating the biophysical and molecular mechanisms of auditory hair cell mechanotransduction. <i>Nature Communications</i> , 2011 , 2, 523	17.4	54
14	Adaptation Independent Modulation of Auditory Hair Cell Mechanotransduction Channel Open Probability Implicates a Role for the Lipid Bilayer. <i>Journal of Neuroscience</i> , 2016 , 36, 2945-56	6.6	42
13	MAGI-1, a candidate stereociliary scaffolding protein, associates with the tip-link component cadherin 23. <i>Journal of Neuroscience</i> , 2008 , 28, 11269-76	6.6	40
12	Phosphoinositol-4,5-Bisphosphate Regulates Auditory Hair-Cell Mechanotransduction-Channel Pore Properties and Fast Adaptation. <i>Journal of Neuroscience</i> , 2017 , 37, 11632-11646	6.6	32
11	Faster than the speed of hearing: nanomechanical force probes enable the electromechanical observation of cochlear hair cells. <i>Nano Letters</i> , 2012 , 12, 6107-11	11.5	27
10	Underestimated sensitivity of mammalian cochlear hair cells due to splay between stereociliary columns. <i>Biophysical Journal</i> , 2015 , 108, 2633-47	2.9	26
9	Somatic motility and hair bundle mechanics, are both necessary for cochlear amplification?. <i>Hearing Research</i> , 2011 , 273, 109-22	3.9	26
8	Myosin-VIIa is expressed in multiple isoforms and essential for tensioning the hair cell mechanotransduction complex. <i>Nature Communications</i> , 2020 , 11, 2066	17.4	22
7	Pejvakin, a Candidate Stereociliary Rootlet Protein, Regulates Hair Cell Function in a Cell-Autonomous Manner. <i>Journal of Neuroscience</i> , 2017 , 37, 3447-3464	6.6	21
6	Hair Bundle Stimulation Mode Modifies Manifestations of Mechanotransduction Adaptation. <i>Journal of Neuroscience</i> , 2019 , 39, 9098-9106	6.6	12
5	Decades-old model of slow adaptation in sensory hair cells is not supported in mammals. <i>Science Advances</i> , 2020 , 6, eabb4922	14.3	10
4	The tarantula toxin GxTx detains K channel gating charges in their resting conformation. <i>Journal of General Physiology</i> , 2019 , 151, 292-315	3.4	9
3	Glass Probe Stimulation of Hair Cell Stereocilia. <i>Methods in Molecular Biology</i> , 2016 , 1427, 487-500	1.4	6
2	Fluid Jet Stimulation of Auditory Hair Bundles Reveal Spatial Non-uniformities and Two Viscoelastic-Like Mechanisms. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 725101	5.7	1

- 1 Mechanotransduction in mammalian sensory hair cells.. *Molecular and Cellular Neurosciences*, **2022**, 103746. 