Anthony W Peng

List of Publications by Year in Descending Order

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	Mechanotransduction in mammalian sensory hair cells.. *Molecular and Cellular Neurosciences*, **2022**, 103708	4.8	0
17	Fluid Jet Stimulation of Auditory Hair Bundles Reveal Spatial Non-uniformities and Two Viscoelastic-Like Mechanisms. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 725101	5.7	1
16	Myosin-VIIa is expressed in multiple isoforms and essential for tensioning the hair cell mechanotransduction complex. *Nature Communications*, **2020**, 11, 2066	17.4	22
15	Decades-old model of slow adaptation in sensory hair cells is not supported in mammals. *Science Advances*, **2020**, 6, eabb4922	14.3	10
14	Hair Bundle Stimulation Mode Modifies Manifestations of Mechanotransduction Adaptation. *Journal of Neuroscience*, **2019**, 39, 9098-9106	6.6	12
13	The tarantula toxin GxTx detains K channel gating charges in their resting conformation. *Journal of General Physiology*, **2019**, 151, 292-315	3.4	9
12	Pejvakin, a Candidate Stereociliary Rootlet Protein, Regulates Hair Cell Function in a Cell-Autonomous Manner. *Journal of Neuroscience*, **2017**, 37, 3447-3464	6.6	21
11	Phosphoinositol-4,5-Bisphosphate Regulates Auditory Hair-Cell Mechanotransduction-Channel Pore Properties and Fast Adaptation. *Journal of Neuroscience*, **2017**, 37, 11632-11646	6.6	32
10	Glass Probe Stimulation of Hair Cell Stereocilia. *Methods in Molecular Biology*, **2016**, 1427, 487-500	1.4	6
9	Adaptation Independent Modulation of Auditory Hair Cell Mechanotransduction Channel Open Probability Implicates a Role for the Lipid Bilayer. *Journal of Neuroscience*, **2016**, 36, 2945-56	6.6	42
8	Underestimated sensitivity of mammalian cochlear hair cells due to splay between stereociliary columns. *Biophysical Journal*, **2015**, 108, 2633-47	2.9	26
7	Adaptation of mammalian auditory hair cell mechanotransduction is independent of calcium entry. *Neuron*, **2013**, 80, 960-72	13.9	72
6	Faster than the speed of hearing: nanomechanical force probes enable the electromechanical observation of cochlear hair cells. *Nano Letters*, **2012**, 12, 6107-11	11.5	27
5	Integrating the biophysical and molecular mechanisms of auditory hair cell mechanotransduction. *Nature Communications*, **2011**, 2, 523	17.4	54
4	Somatic motility and hair bundle mechanics, are both necessary for cochlear amplification?. *Hearing Research*, **2011**, 273, 109-22	3.9	26
3	Mechanosensitive hair cell-like cells from embryonic and induced pluripotent stem cells. *Cell*, **2010**, 141, 704-16	56.2	243
2	Twinfilin 2 regulates actin filament lengths in cochlear stereocilia. *Journal of Neuroscience*, **2009**, 29, 15083-8	6.6	70

1	MAGI-1, a candidate stereociliary scaffolding protein, associates with the tip-link component cadherin 23. *Journal of Neuroscience*, **2008**, 28, 11269-76	6.6	40