Jacques Boutet De Monvel

List of Publications by Year
in descending order

22	1,236	471509 17	677142 22
papers	citations	h-index	g-index

24	24	24	1364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	How the Genetics of Deafness Illuminates Auditory Physiology. Annual Review of Physiology, 2011, 73, 311-334.	13.1	195
2	Dual AAV-mediated gene therapy restores hearing in a DFNB9 mouse model. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4496-4501.	7.1	162
3	Otoferlin acts as a Ca2+ sensor for vesicle fusion and vesicle pool replenishment at auditory hair cell ribbon synapses. ELife, 2017, 6, .	6.0	108
4	Image Restoration for Confocal Microscopy: Improving the Limits of Deconvolution, with Application to the Visualization of the Mammalian Hearing Organ. Biophysical Journal, 2001, 80, 2455-2470.	0.5	103
5	Local gene therapy durably restores vestibular function in a mouse model of Usher syndrome type 1G. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9695-9700.	7.1	101
6	Organ of Corti Potentials and the Motion of the Basilar Membrane. Journal of Neuroscience, 2004, 24, 10057-10063.	3.6	81
7	Imaging hair cell transduction at the speed of sound: Dynamic behavior of mammalian stereocilia. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1918-1923.	7.1	67
8	Class III myosins shape the auditory hair bundles by limiting microvilli and stereocilia growth. Journal of Cell Biology, 2016, 212, 231-244.	5.2	51
9	Image-Adaptive Deconvolution for Three-Dimensional Deep Biological Imaging. Biophysical Journal, 2003, 85, 3991-4001.	0.5	50
10	Usher syndrome type 1â€“associated cadherins shape the photoreceptor outer segment. Journal of Cell Biology, 2017, 216, 1849-1864.	5.2	47
11	Sound-induced differential motion within the hearing organ. Nature Neuroscience, 2003, 6, 446-448.	14.8	45
12	Cochlear outer hair cells undergo an apical circumference remodeling constrained by the hair bundle shape. Development (Cambridge), 2010, 137, 1373-1383.	2.5	41
13	Auditory cortex interneuron development requires cadherins operating hair-cell mechanoelectrical transduction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7765-7774.	7.1	35
14	Coupling of the mechanotransduction machinery and stereocilia F-actin polymerization in the cochlear hair bundles. Bioarchitecture, 2011, 1, 169-174.	1.5	28
15	Measuring Hearing Organ Vibration Patterns with Confocal Microscopy and Optical Flow. Biophysical Journal, 2004, 86, 535-543.	0.5	26
16	Evidence for a Highly Elastic Shell-Core Organization of Cochlear Outer Hair Cells by Local Membrane Indentation. Biophysical Journal, 2005, 88, 2982-2993.	0.5	23
17	Auditory Hair Cell Centrioles Undergo Confined Brownian Motion Throughout the Developmental Migration of the Kinocilium. Biophysical Journal, 2013, 105, 48-58.	0.5	18
18	Sound-Evoked Radial Strain in the Hearing Organ. Biophysical Journal, 2007, 93, 3279-3284.	0.5	17

#	Article	IF	Citations
19	Rapid confocal imaging for measuring sound-induced motion of the hearing organ in the apical region. Journal of Biomedical Optics, 2007, 12, 021005.	2.6	15
20	Imaging the living inner ear using intravital confocal microscopy. NeuroImage, 2007, 35, 1393-1400.	4.2	8
21	Wrapping up Stereocilia Rootlets. Cell, 2010, 141, 748-750.	28.9	8
22	Brightness-compensated 3-D optical flow algorithm for monitoring cochlear motion patterns. Journal of Biomedical Optics, 2010, 15, 056012.	2.6	6