Matthew W Kelley

List of Publications by Year
in descending order

35 papers	2,645 citations	279798 23 h-index	395702 33 g-index
38 all docs	38 docs citations	38 times ranked	2320 citing authors

#	Article	IF	Citations
1	Sox2 signaling in prosensory domain specification and subsequent hair cell differentiation in the developing cochlea. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18396-18401.	7.1	313
2	Regulation of cell fate in the sensory epithelia of the inner ear. Nature Reviews Neuroscience, 2006, 7, 837-849.	10.2	290
3	Single-cell RNA-Seq resolves cellular complexity in sensory organs from the neonatal inner ear. Nature Communications, 2015, 6, 8557.	12.8	247
4	Characterization of the development of the mouse cochlear epithelium at the single cell level. Nature Communications, 2020, 11, 2389.	12.8	241
5	Molecular Mechanisms of Inner Ear Development. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008409-a008409.	5.5	171
6	The Atoh1-lineage gives rise to hair cells and supporting cells within the mammalian cochlea. Developmental Biology, 2013, 376, 86-98.	2.0	118
7	Fibroblast Growth Factor Signaling Regulates Pillar Cell Development in the Organ of Corti. Journal of Neuroscience, 2002, 22, 9368-9377.	3.6	117
8	Hedgehog Signaling Regulates Sensory Cell Formation and Auditory Function in Mice and Humans. Journal of Neuroscience, 2008, 28, 7350-7358.	3.6	103
9	gEAR: Gene Expression Analysis Resource portal for community-driven, multi-omic data exploration. Nature Methods, 2021, 18, 843-844.	19.0	100
10	Helios is a key transcriptional regulator of outer hair cell maturation. Nature, 2018, 563, 696-700.	27.8	90
11	Cellular commitment and differentiation in the organ of Corti. International Journal of Developmental Biology, 2007, 51, 571-583.	0.6	89
12	Development of tonotopy in the auditory periphery. Hearing Research, 2011, 276, 2-15.	2.0	85
13	Making connections in the inner ear: Recent insights into the development of spiral ganglion neurons and their connectivity with sensory hair cells. Seminars in Cell and Developmental Biology, 2013, 24, 460-469.	5.0	71
14	Ciliary proteins Bbs8 and Ift20 promote planar cell polarity in the cochlea. Development (Cambridge), 2015, 142, 555-566.	2.5	63
15	Insulin-Like Growth Factor Signaling Regulates the Timing of Sensory Cell Differentiation in the Mouse Cochlea. Journal of Neuroscience, 2011, 31, 18104-18118.	3.6	61
16	Lhx3, a LIM domain transcription factor, is regulated by Pou4f3 in the auditory but not in the vestibular system. European Journal of Neuroscience, 2007, 25, 999-1005.	2.6	60
17	Neuropilin-2/Semaphorin-3F-mediated repulsion promotes inner hair cell innervation by spiral ganglion neurons. ELife, 2015, 4, .	6.0	53
18	Molecular architecture underlying fluid absorption by the developing inner ear. ELife, 2017, 6, .	6.0	43

#	Article	IF	Citations
19	Hair cell development: Commitment through differentiation. Brain Research, 2006, 1091, 172-185.	2.2	42
20	Cell migration, intercalation, and growth regulates mammalian cochlear extension. Development (Cambridge), 2017, 144, 3766-3776.	2.5	39
21	Cell Adhesion Molecules during Inner Ear and Hair Cell Development, Including Notch and Its Ligands. Current Topics in Developmental Biology, 2003, 57, 321-356.	2.2	38
22	Single-cell RNA sequencing of the mammalian pineal gland identifies two pinealocyte subtypes and cell type-specific daily patterns of gene expression. PLoS ONE, 2018, 13, e0205883.	2.5	38
23	Regulation of cell fate and patterning in the developing mammalian cochlea. Current Opinion in Otolaryngology and Head and Neck Surgery, 2009, 17, 381-387.	1.8	30
24	YAP Mediates Hair Cell Regeneration in Balance Organs of Chickens, But LATS Kinases Suppress Its Activity in Mice. Journal of Neuroscience, 2020, 40, 3915-3932.	3.6	24
25	Leading Wnt down a PCP Path: Cthrc1 Acts as a Coreceptor in the Wnt-PCP Pathway. Developmental Cell, 2008, 15, 7-8.	7.0	16
26	Expression of insulinâ€like growth factor binding proteins during mouse cochlear development. Developmental Dynamics, 2013, 242, 1210-1221.	1.8	16
27	Role of Neuropilin-1/Semaphorin-3A signaling in the functional and morphological integrity of the cochlea. PLoS Genetics, 2017, 13, e1007048.	3.5	16
28	Spectrum of genes for inherited hearing loss in the Israeli Jewish population, including the novel human deafness gene <scp><i>ATOH1</i></scp>. Clinical Genetics, 2020, 98, 353-364.	2.0	15
29	Blast-induced hearing impairment in rats is associated with structural and molecular changes of the inner ear. Scientific Reports, 2020, 10, 10652.	3.3	11
30	Determination and Commitment of Mechanosensory Hair Cells. Scientific World Journal, The, 2002, 2, 1079-1094.	2.1	8
31	Single Cell Sequencing of the Pineal Gland: The Next Chapter. Frontiers in Endocrinology, 2019, 10, 590.	3.5	8
32	Cochlear Development; New Tools and Approaches. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	7
33	Assessment of auditory and vestibular damage in a mouse model after single and triple blast exposures. Hearing Research, 2021, 407, 108292.	2.0	6
34	Identification and characterization of key long non-coding RNAs in the mouse cochlea. RNA Biology, 2021, 18, 1160-1169.	3.1	4
35	Analysis of Nuclear Receptor Function in the Mouse Auditory System. Methods in Enzymology, 2003, 364, 426-448.	1.0	0