# Ruth Anne Eatock

List of Publications by Year
in descending order



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|---|---|---|---|
| 26 papers | 1,753 citations | 361413 20 h-index | 610901 24 g-index |
| 33 all docs | 33 docs citations | 33 times ranked | 789 citing authors |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 1 | Vestibular Hair Cells and Afferents: Two Channels for Head Motion Signals. Annual Review of Neuroscience, 2011, 34, 501-534. | 10.7 | 239 |
| 2 | Postnatal Development of Type I and Type II Hair Cells in the Mouse Utricle: Acquisition of Voltage-Gated Conductances and Differentiated Morphology. Journal of Neuroscience, 1998, 18, 7487-7501. | 3.6 | 215 |
| 3 | Molecular Microdomains in a Sensory Terminal, the Vestibular Calyx Ending. Journal of Neuroscience, 2011, 31, 10101-10114. | 3.6 | 138 |
| 4 | Tuning and Timing in Mammalian Type I Hair Cells and Calyceal Synapses. Journal of Neuroscience, 2013, 33, 3706-3724. | 3.6 | 118 |
| 5 | M-Like K+ Currents in Type I Hair Cells and Calyx Afferent Endings of the Developing Rat Utricle. Journal of Neuroscience, 2006, 26, 10253-10269. | 3.6 | 108 |
| 6 | Mechanoelectrical Transduction and Adaptation in Hair Cells of the Mouse Utricle, a Low-Frequency Vestibular Organ. Journal of Neuroscience, 1997, 17, 8739-8748. | 3.6 | 101 |
| 7 | Ion Channels Set Spike Timing Regularity of Mammalian Vestibular Afferent Neurons. Journal of Neurophysiology, 2010, 104, 2034-2051. | 1.8 | 86 |
| 8 | Major Potassium Conductance in Type I Hair Cells From Rat Semicircular Canals: Characterization and Modulation by Nitric Oxide. Journal of Neurophysiology, 2000, 84, 139-151. | 1.8 | 85 |
| 9 | Ion channels in mammalian vestibular afferents may set regularity of firing. Journal of Experimental Biology, 2008, 211, 1764-1774. | 1.7 | 83 |
| 10 | Time Course and Extent of Mechanotransducer Adaptation in Mouse Utricular Hair Cells: Comparison With Frog Saccular Hair Cells. Journal of Neurophysiology, 2003, 90, 2676-2689. | 1.8 | 68 |
| 11 | Developmental Changes in Two Voltage-Dependent Sodium Currents in Utricular Hair Cells. Journal of Neurophysiology, 2007, 97, 1684-1704. | 1.8 | 63 |
| 12 | Hair Cells in Mammalian Utricles. Otolaryngology - Head and Neck Surgery, 1998, 119, 172-181. | 1.9 | 58 |
| 13 | Regional Analysis of Whole Cell Currents From Hair Cells of the Turtle Posterior Crista. Journal of Neurophysiology, 2002, 88, 3259-3278. | 1.8 | 54 |
| 14 | Specializations for Fast Signaling in the Amniote Vestibular Inner Ear. Integrative and Comparative Biology, 2018, 58, 341-350. | 2.0 | 54 |
| 15 | Functional Development of Hair Cells. Current Topics in Developmental Biology, 2003, 57, 389-448. | 2.2 | 51 |
| 16 | Voltage Responses of Mouse Utricular Hair Cells to Injected Currents. Annals of the New York Academy of Sciences, 1996, 781, 71-84. | 3.8 | 50 |
| 17 | Retinoic acid degradation shapes zonal development of vestibular organs and sensitivity to transient linear accelerations. Nature Communications, 2020, 11, 63. | 12.8 | 43 |
| 18 | Stimulus Processing by Type II Hair Cells in the Mouse Utricle. Annals of the New York Academy of Sciences, 1999, 871, 15-26. | 3.8 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Differences Between the Negatively Activating Potassium Conductances of Mammalian Cochlear and Vestibular Hair Cells. JARO - Journal of the Association for Research in Otolaryngology, 2004, 5, 270-284. | 1.8 | 24 |
| 20 | Distribution of Na,K-ATPase Î± Subunits in Rat Vestibular Sensory Epithelia. JARO - Journal of the Association for Research in Otolaryngology, 2014, 15, 739-754. | 1.8 | 22 |
| 21 | Mechanoelectrical and Voltage-Gated Ion Channels in Mammalian Vestibular Hair Cells. Audiology and Neuro-Otology, 2002, 7, 31-35. | 1.3 | 21 |
| 22 | Sodium channel diversity in the vestibular ganglion: Na<sub>V</sub>1.5, Na<sub>V</sub>1.8, and tetrodotoxin-sensitive currents. Journal of Neurophysiology, 2016, 115, 2536-2555. | 1.8 | 19 |
| 23 | The Differentiation Status of Hair Cells That Regenerate Naturally in the Vestibular Inner Ear of the Adult Mouse. Journal of Neuroscience, 2021, 41, 7779-7796. | 3.6 | 16 |
| 24 | Auditory Physiology: Listening with K+ Channels. Current Biology, 2003, 13, R767-R769. | 3.9 | 5 |
| 25 | High-Pass Filtering at Vestibular Frequencies by Transducer Adaptation in Mammalian Saccular Hair Cells. , 2011, , . | | 0 |
| 26 | Ionic Conductances of Vestibular Afferent Neurons: Shaping Head Motion Signals From the Inner Ear. , 2020, , 211-227. | | 0 |