# Bechara Kachar

List of Publications by Year
in descending order



Version: 2024-02-01

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|---|---|---|---|
| 154 papers | 13,559 citations | 23567 58 h-index | 23533 111 g-index |
| 159 all docs | 159 docs citations | 159 times ranked | 10884 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Determination of Elastic Moduli of Thin Layers of Soft Material Using the Atomic Force Microscope. Biophysical Journal, 2002, 82, 2798-2810. | 0.5 | 1,022 |
| 2 | CNS Myelin and Sertoli Cell Tight Junction Strands Are Absent in Osp/Claudin-11 Null Mice. Cell, 1999, 99, 649-659. | 28.9 | 649 |
| 3 | Cadherin 23 and protocadherin 15 interact to form tip-link filaments in sensory hair cells. Nature, 2007, 449, 87-91. | 27.8 | 636 |
| 4 | Mutations in the Gene Encoding Tight Junction Claudin-14 Cause Autosomal Recessive Deafness DFNB29. Cell, 2001, 104, 165-172. | 28.9 | 430 |
| 5 | Mutations in Cdh23, encoding a new type of cadherin, cause stereocilia disorganization in waltzer, the mouse model for Usher syndrome type 1D. Nature Genetics, 2001, 27, 103-107. | 21.4 | 409 |
| 6 | Electrokinetic shape changes of cochlear outer hair cells. Nature, 1986, 322, 365-368. | 27.8 | 342 |
| 7 | A role for actin arcs in the leading-edge advance of migrating cells. Nature Cell Biology, 2011, 13, 371-382. | 10.3 | 314 |
| 8 | Liquid-crystalline solvents as mechanistic probes. Part 37. Novel family of gelators of organic fluids and the structure of their gels. Journal of the American Chemical Society, 1989, 111, 5542-5551. | 13.7 | 307 |
| 9 | An actin molecular treadmill and myosins maintain stereocilia functional architecture and self-renewal. Journal of Cell Biology, 2004, 164, 887-897. | 5.2 | 275 |
| 10 | Evidence for the lipidic nature of tight junction strands. Nature, 1982, 296, 464-466. | 27.8 | 272 |
| 11 | The cell biology of hearing. Journal of Cell Biology, 2010, 190, 9-20. | 5.2 | 252 |
| 12 | Ablation of Uroplakin III Gene Results in Small Urothelial Plaques, Urothelial Leakage, and Vesicoureteral Reflux. Journal of Cell Biology, 2000, 151, 961-972. | 5.2 | 226 |
| 13 | Deafness in Claudin 11-Null Mice Reveals the Critical Contribution of Basal Cell Tight Junctions to Stria Vascularis Function. Journal of Neuroscience, 2004, 24, 7051-7062. | 3.6 | 225 |
| 14 | On tight-junction structure. Cell, 1982, 28, 441-450. | 28.9 | 214 |
| 15 | Expression and Localization of Prestin and the Sugar Transporter GLUT-5 during Development of Electromotility in Cochlear Outer Hair Cells. Journal of Neuroscience, 2000, 20, RC116-RC116. | 3.6 | 207 |
| 16 | Plasma Membrane Ca<sup>2+</sup>-ATPase Isoform 2a Is the PMCA of Hair Bundles. Journal of Neuroscience, 2001, 21, 5066-5078. | 3.6 | 202 |
| 17 | Mutations in Mcoln3 associated with deafness and pigmentation defects in varitint-waddler (Va) mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14994-14999. | 7.1 | 201 |
| 18 | Bleaching/blinking assisted localization microscopy for superresolution imaging using standard fluorescent molecules. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21081-21086. | 7.1 | 191 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rapid renewal of auditory hair bundles. Nature, 2002, 418, 837-838. | 27.8 | 173 |
| 20 | Regulation of Stereocilia Length by Myosin XVa and Whirlin Depends on the Actin-Regulatory Protein Eps8. Current Biology, 2011, 21, 167-172. | 3.9 | 171 |
| 21 | Myosin VIIa and sans localization at stereocilia upper tip-link density implicates these Usher syndrome proteins in mechanotransduction. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11476-11481. | 7.1 | 169 |
| 22 | Intestinal Brush Border Assembly Driven by Protocadherin-Based Intermicrovillar Adhesion. Cell, 2014, 157, 433-446. | 28.9 | 159 |
| 23 | Characterization of the Human and Mouse Unconventional Myosin XV Genes Responsible for Hereditary Deafness DFNB3 and Shaker 2. Genomics, 1999, 61, 243-258. | 2.9 | 153 |
| 24 | Roles of uroplakins in plaque formation, umbrella cell enlargement, and urinary tract diseases. Journal of Cell Biology, 2004, 167, 1195-1204. | 5.2 | 152 |
| 25 | TMC1 and TMC2 Localize at the Site of Mechanotransduction in Mammalian Inner Ear Hair Cell Stereocilia. Cell Reports, 2015, 12, 1606-1617. | 6.4 | 152 |
| 26 | Mouse models of MYH9-related disease: mutations in nonmuscle myosin II-A. Blood, 2012, 119, 238-250. | 1.4 | 151 |
| 27 | NMII Forms a Contractile Transcellular Sarcomeric Network to Regulate Apical Cell Junctions and Tissue Geometry. Current Biology, 2013, 23, 731-736. | 3.9 | 150 |
| 28 | Harmonin Mutations Cause Mechanotransduction Defects in Cochlear Hair Cells. Neuron, 2009, 62, 375-387. | 8.1 | 149 |
| 29 | Retinal Parallel Processors: More than 100 Independent Microcircuits Operate within a Single Interneuron. Neuron, 2010, 65, 873-885. | 8.1 | 148 |
| 30 | Sharp Ca<sup>2+</sup>Nanodomains beneath the Ribbon Promote Highly Synchronous Multivesicular Release at Hair Cell Synapses. Journal of Neuroscience, 2011, 31, 16637-16650. | 3.6 | 145 |
| 31 | Myosin IIIa boosts elongation of stereocilia by transporting espin 1 to the plus ends of actin filaments. Nature Cell Biology, 2009, 11, 443-450. | 10.3 | 139 |
| 32 | A New Compartment at Stereocilia Tips Defined by Spatial and Temporal Patterns of Myosin IIIa Expression. Journal of Neuroscience, 2006, 26, 10243-10252. | 3.6 | 132 |
| 33 | Localization and Functional Studies of Pendrin in the Mouse Inner Ear Provide Insight About the Etiology of Deafness in Pendred Syndrome. JARO - Journal of the Association for Research in Otolaryngology, 2003, 4, 394-404. | 1.8 | 130 |
| 34 | Differential Expression of KCNQ4 in Inner Hair Cells and Sensory Neurons Is the Basis of Progressive High-Frequency Hearing Loss. Journal of Neuroscience, 2005, 25, 9285-9293. | 3.6 | 126 |
| 35 | Three-dimensional analysis of the 16 nm urothelial plaque particle: luminal surface exposure, preferential head-to-head interaction, and hinge formation 1 1Edited by W. Baumeisser. Journal of Molecular Biology, 1999, 285, 595-608. | 4.2 | 123 |
| 36 | Stepwise Morphological and Functional Maturation of Mechanotransduction in Rat Outer Hair Cells. Journal of Neuroscience, 2007, 27, 13890-13902. | 3.6 | 122 |

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|---|---|---|---|
| 37 | Mutation of the ATP-gated P2X <sub>2</sub> receptor leads to progressive hearing loss and increased susceptibility to noise. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2228-2233. | 7.1 | 119 |
| 38 | Hemi-fused structure mediates and controls fusion and fission in live cells. Nature, 2016, 534, 548-552. | 27.8 | 117 |
| 39 | Development and Maintenance of Otoconia. Annals of the New York Academy of Sciences, 2001, 942, 162-178. | 3.8 | 112 |
| 40 | Regulation of PCDH15 function in mechanosensory hair cells by alternative splicing of the cytoplasmic domain. Development (Cambridge), 2011, 138, 1607-1617. | 2.5 | 111 |
| 41 | Distinct subdomain organization and molecular composition of a tight junction with adherens junction features. Journal of Cell Science, 2006, 119, 4819-4827. | 2.0 | 106 |
| 42 | GABA visualized by immunocytochemistry in the guinea pig cochlea in axons and endings of efferent neurons. Brain Research, 1986, 366, 106-117. | 2.2 | 99 |
| 43 | Immunocytochemical localization of choline acetyltransferase-like immunoreactivity in the guinea pig cochlea. Brain Research, 1985, 338, 1-11. | 2.2 | 93 |
| 44 | Compartmentalized vesicular traffic around the hair cell cuticular plate. Hearing Research, 1997, 107, 102-112. | 2.0 | 91 |
| 45 | Two Distinct Ca2+-Dependent Signaling Pathways Regulate the Motor Output of Cochlear Outer Hair Cells. Journal of Neuroscience, 2000, 20, 5940-5948. | 3.6 | 91 |
| 46 | The Otoconia of the Guinea Pig Utricle: Internal Structure, Surface Exposure, and Interactions with the Filament Matrix. Journal of Structural Biology, 2000, 131, 67-78. | 2.8 | 87 |
| 47 | ATP-Induced Ca<sup>2+</sup> Release in Cochlear Outer Hair Cells: Localization of an Inositol Triphosphate-Gated Ca<sup>2+</sup> Store to the Base of the Sensory Hair Bundle. Journal of Neuroscience, 1999, 19, 6918-6929. | 3.6 | 85 |
| 48 | Structural basis for mechanical transduction in the frog vestibular sensory apparatus: I. The otolithic membrane. Hearing Research, 1990, 45, 179-190. | 2.0 | 82 |
| 49 | Dynamic length regulation of sensory stereocilia. Seminars in Cell and Developmental Biology, 2008, 19, 502-510. | 5.0 | 81 |
| 50 | A mouse model for nonsyndromic deafness (DFNB12) links hearing loss to defects in tip links of mechanosensory hair cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5252-5257. | 7.1 | 81 |
| 51 | Variable number of TMC1-dependent mechanotransducer channels underlie tonotopic conductance gradients in the cochlea. Nature Communications, 2018, 9, 2185. | 12.8 | 73 |
| 52 | Stereocilia-staircase spacing is influenced by myosin III motors and their cargos espin-1 and espin-like. Nature Communications, 2016, 7, 10833. | 12.8 | 72 |
| 53 | Dynamic compartmentalization of protein tyrosine phosphatase receptor Q at the proximal end of stereocilia: Implication of myosin VIâ€based transport. Cytoskeleton, 2008, 65, 528-538. | 4.4 | 69 |
| 54 | Progressive hearing loss and gradual deterioration of sensory hair bundles in the ears of mice lacking the actin-binding protein Eps8L2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13898-13903. | 7.1 | 68 |

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| 55 | Video enhanced differential interference contrast microscopy: a new tool for the study of association colloids and prebiotic assemblies. Journal of Colloid and Interface Science, 1984, 100, 287-301. | 9.4 | 67 |
| 56 | Myosin IIIB Uses an Actin-Binding Motif in Its Espin-1 Cargo to Reach the Tips of Actin Protrusions. Current Biology, 2012, 22, 320-325. | 3.9 | 66 |
| 57 | Establishment and characterization of conditionally immortalized organ of corti cell lines. Cell Biology International, 1999, 23, 175-184. | 3.0 | 65 |
| 58 | When size matters: the dynamic regulation of stereocilia lengths. Current Opinion in Cell Biology, 2005, 17, 55-61. | 5.4 | 65 |
| 59 | SAP102 Is a Highly Mobile MAGUK in Spines. Journal of Neuroscience, 2010, 30, 4757-4766. | 3.6 | 65 |
| 60 | Expression of prestin, a membrane motor protein, in the mammalian auditory and vestibular periphery. Hearing Research, 2003, 184, 27-40. | 2.0 | 64 |
| 61 | Balanced levels of Espin are critical for stereociliary growth and length maintenance. Cytoskeleton, 2005, 62, 157-165. | 4.4 | 63 |
| 62 | Localization of PDZD7 to the Stereocilia Ankle-Link Associates this Scaffolding Protein with the Usher Syndrome Protein Network. Journal of Neuroscience, 2012, 32, 14288-14293. | 3.6 | 61 |
| 63 | Evidence and Implications of Inhomogeneity in Tectorial Membrane Elasticity. Biophysical Journal, 2004, 87, 2768-2777. | 0.5 | 60 |
| 64 | Have we found the tip link, transduction channel, and gating spring of the hair cell?. Current Opinion in Neurobiology, 2005, 15, 389-396. | 4.2 | 59 |
| 65 | Tip links in hair cells: molecular composition and role in hearing loss. Current Opinion in Otolaryngology and Head and Neck Surgery, 2009, 17, 388-393. | 1.8 | 59 |
| 66 | A complex of ZO-1 and the BAR-domain protein TOCA-1 regulates actin assembly at the tight junction. Molecular Biology of the Cell, 2015, 26, 2769-2787. | 2.1 | 55 |
| 67 | Plastin 1 widens stereocilia by transforming actin filament packing from hexagonal to liquid. Journal of Cell Biology, 2016, 215, 467-482. | 5.2 | 54 |
| 68 | Myosin-VIIa is expressed in multiple isoforms and essential for tensioning the hair cell mechanotransduction complex. Nature Communications, 2020, 11, 2066. | 12.8 | 52 |
| 69 | Multiple claudinâ€“claudin cis interfaces are required for tight junction strand formation and inherent flexibility. Communications Biology, 2018, 1, 50. | 4.4 | 51 |
| 70 | Regulation of outer hair cell cytoskeletal stiffness by intracellular Ca2+: underlying mechanism and implications for cochlear mechanics. Cell Calcium, 2003, 33, 185-195. | 2.4 | 50 |
| 71 | CLIC5 stabilizes membraneâ€actin filament linkages at the base of hair cell stereocilia in a molecular complex with radixin, taperin, and myosin VI. Cytoskeleton, 2014, 71, 61-78. | 2.0 | 50 |
| 72 | Maturation arrest in early postnatal sensory receptors by deletion of the miR-183/96/182 cluster in mouse. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4271-E4280. | 7.1 | 50 |

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| 73 | Protein Localization by Actin Treadmilling and Molecular Motors Regulates Stereocilia Shape and Treadmilling Rate. Biophysical Journal, 2008, 95, 5706-5718. | 0.5 | 49 |
| 74 | Water Permeability of Cochlear Outer Hair Cells: Characterization and Relationship to Electromotility. Journal of Neuroscience, 2000, 20, 8996-9003. | 3.6 | 47 |
| 75 | Purinergic control of intercellular communication between Hensen's cells of the guineaâ€pig cochlea. Journal of Physiology, 2001, 531, 693-706. | 2.9 | 47 |
| 76 | Rapid Turnover of Stereocilia Membrane Proteins: Evidence from the Trafficking and Mobility of Plasma Membrane Ca2+-ATPase 2. Journal of Neuroscience, 2006, 26, 6386-6395. | 3.6 | 47 |
| 77 | Immunogold TEM of otoconin 90 and otolin â€“ relevance to mineralization ofÂotoconia, and pathogenesis of benign positional vertigo. Hearing Research, 2012, 292, 14-25. | 2.0 | 43 |
| 78 | Fast in vitro movement of outer hair cells in an external electric field: Effect of digitonin, a membrane permeabilizing agent. Hearing Research, 1989, 40, 247-254. | 2.0 | 41 |
| 79 | Spontaneous polymerization of the antibiotic peptide magainin 2. FEBS Letters, 1989, 247, 17-21. | 2.8 | 41 |
| 80 | The Septate Junction Protein Caspr Is Required for Structural Support and Retention of KCNQ4 at Calyceal Synapses of Vestibular Hair Cells. Journal of Neuroscience, 2009, 29, 3103-3108. | 3.6 | 41 |
| 81 | Roles of Alternative Splicing in the Functional Properties of Inner Ear-specific KCNQ4 Channels*. Journal of Biological Chemistry, 2007, 282, 23899-23909. | 3.4 | 40 |
| 82 | Regulation of Cellular Calcium in Vestibular Supporting Cells by Otopetrin 1. Journal of Neurophysiology, 2010, 104, 3439-3450. | 1.8 | 40 |
| 83 | The Membrane-based Mechanism of Cell Motility in Cochlear Outer Hair Cells. Molecular Biology of the Cell, 1998, 9, 1961-1968. | 2.1 | 39 |
| 84 | Modifier genes of hereditary hearing loss. Current Opinion in Neurobiology, 2000, 10, 487-493. | 4.2 | 38 |
| 85 | Differential Expression of Genes within the Cochlea as Defined by a Custom Mouse Inner Ear Microarray. JARO - Journal of the Association for Research in Otolaryngology, 2005, 6, 75-89. | 1.8 | 38 |
| 86 | Localization of kainate receptors in inner and outer hair cell synapses. Hearing Research, 2014, 314, 20-32. | 2.0 | 38 |
| 87 | A Short Splice Form of Xin-Actin Binding Repeat Containing 2 (XIRP2) Lacking the Xin Repeats Is Required for Maintenance of Stereocilia Morphology and Hearing Function. Journal of Neuroscience, 2015, 35, 1999-2014. | 3.6 | 38 |
| 88 | Cochlear outer hair cell electromotility can provide force for both low and high intensity distortion product otoacoustic emissions. Hearing Research, 1998, 126, 67-74. | 2.0 | 37 |
| 89 | Intermolecular Autophosphorylation Regulates Myosin IIIa Activity and Localization in Parallel Actin Bundles. Journal of Biological Chemistry, 2010, 285, 35770-35782. | 3.4 | 37 |
| 90 | A Novel Bovine Virus Efficiently Transduces Inner Ear Neuroepithelial Cells. Molecular Therapy, 2005, 11, 849-855. | 8.2 | 36 |

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| 91 | Sustained cadherin 23 expression in young and adult cochlea of normal and hearing-impaired mice. Hearing Research, 2005, 208, 114-121. | 2.0 | 36 |
| 92 | LMO7 deficiency reveals the significance of the cuticular plate for hearing function. Nature Communications, 2019, 10, 1117. | 12.8 | 36 |
| 93 | Urothelial hinge as a highly specialized membrane: detergent-insolubility, urohingin association, and in vitro formation. Differentiation, 1999, 65, 59-69. | 1.9 | 34 |
| 94 | CLAMP, a novel microtubule-associated protein with EB-type calponin homology. Cytoskeleton, 2005, 62, 141-156. | 4.4 | 34 |
| 95 | Changes in plasma membrane structure and electromotile properties in prestin deficient outer hair cells. Cytoskeleton, 2010, 67, 43-55. | 2.0 | 34 |
| 96 | Missense mutations in Otopetrin 1 affect subcellular localization and inhibition of purinergic signaling in vestibular supporting cells. Molecular and Cellular Neurosciences, 2011, 46, 655-661. | 2.2 | 34 |
| 97 | The observation of large magnetite (Fe<sub>3</sub>O<sub>4</sub>) crystals from magnetotactic bacteria by electron and atomic force microscopy. Journal of Microscopy, 1994, 173, 1-8. | 1.8 | 33 |
| 98 | Distribution of members of the PSD-95 family of MAGUK proteins at the synaptic region of inner and outer hair cells of the guinea pig cochlea. Synapse, 2001, 40, 258-268. | 1.2 | 32 |
| 99 | Developmental expression of Kcnq4 in vestibular neurons and neurosensory epithelia. Brain Research, 2007, 1139, 117-125. | 2.2 | 32 |
| 100 | Inhibitory and multisynaptic spines, and hemispherical synaptic specialization in the posterodorsal medial amygdala of male and female rats. Journal of Comparative Neurology, 2014, 522, 2075-2088. | 1.6 | 32 |
| 101 | Membrane changes during hibernation. Nature, 2000, 407, 317-318. | 27.8 | 31 |
| 102 | Structural basis for mechanical transduction in the frog vestibular sensory apparatus: II. The role of microtubules in the organization of the cuticular plate. Hearing Research, 1994, 77, 207-215. | 2.0 | 30 |
| 103 | Myosin 3A Kinase Activity Is Regulated by Phosphorylation of the Kinase Domain Activation Loop. Journal of Biological Chemistry, 2013, 288, 37126-37137. | 3.4 | 28 |
| 104 | Inhibition of outer hair cell electromotility by sulfhydryl specific reagents. Neuroscience Letters, 1993, 157, 231-234. | 2.1 | 27 |
| 105 | Structural domains of the tight junctional intramembrane fibrils. Tissue and Cell, 1992, 24, 291-300. | 2.2 | 26 |
| 106 | Correlation of Actin Crosslinker and Capper Expression Levels with Stereocilia Growth Phases. Molecular and Cellular Proteomics, 2014, 13, 606-620. | 3.8 | 26 |
| 107 | Specialized Postsynaptic Morphology Enhances Neurotransmitter Dilution and High-Frequency Signaling at an Auditory Synapse. Journal of Neuroscience, 2014, 34, 8358-8372. | 3.6 | 25 |
| 108 | The structural organization of the pathogenic protozoan Tritrichomonas foetus as seen in replicas of quick frozen, freeze-fractured and deep etched cells. Biology of the Cell, 1993, 77, 289-295. | 2.0 | 24 |

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| 109 | Effect of spatial arrangement of the basement membrane on cultured pleomorphic adenoma cells. Study by immunocytochemistry and electron and confocal microscopy. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 1997, 430, 467-477. | 2.8 | 24 |
| 110 | Tectorins crosslink type II collagen fibrils and connect the tectorial membrane to the spiral limbus. Journal of Structural Biology, 2016, 194, 139-146. | 2.8 | 24 |
| 111 | Identification of unique transcripts from a mouse full-length, subtracted inner ear cDNA library. Genomics, 2004, 83, 1012-1023. | 2.9 | 23 |
| 112 | Characterization of a novel MYO3A missense mutation associated with a dominant form of late onset hearing loss. Scientific Reports, 2018, 8, 8706. | 3.3 | 22 |
| 113 | Surface Domains in the Pathogenic ProtozoanTritrichomonas foetus. Journal of Protozoology, 1992, 39, 480-484. | 0.8 | 19 |
| 114 | Synthesis of RNA probes by the direct in vitro transcription of PCR-generated DNA templates. Journal of Proteomics, 1993, 26, 113-120. | 2.4 | 19 |
| 115 | Dynamic polyhedral actomyosin lattices remodel micron-scale curved membranes during exocytosis in live mice. Nature Cell Biology, 2019, 21, 933-939. | 10.3 | 19 |
| 116 | Gene Expression Profile of the Mouse Organ of Corti at the Onset of Hearing. Genomics, 2004, 83, 1000-1011. | 2.9 | 18 |
| 117 | Nanoarchitecture and dynamics of the mouse enteric glycocalyx examined by freeze-etching electron tomography and intravital microscopy. Communications Biology, 2020, 3, 5. | 4.4 | 18 |
| 118 | T cell protein tyrosine phosphatase protects intestinal barrier function by restricting epithelial tight junction remodeling. Journal of Clinical Investigation, 2021, 131, . | 8.2 | 18 |
| 119 | Structural basis for mechanical transduction in the frog vestibular sensory apparatus: III. The organization of the otoconial mass. Hearing Research, 1999, 131, 11-21. | 2.0 | 17 |
| 120 | Differential localization of SAP102 and PSD-95 is revealed in hippocampal spines using super-resolution light microscopy. Communicative and Integrative Biology, 2011, 4, 104-105. | 1.4 | 17 |
| 121 | Freeze-substitution as a preparative technique for immunoelectronmicroscopy: Evaluation by atomic force microscopy. , 1996, 33, 251-261. | | 16 |
| 122 | Frequency Dependence of Electrical Coupling in Deitersâ€³ Cells of the Guinea Pig Cochlea. Cell Communication and Adhesion, 2001, 8, 393-399. | 1.0 | 16 |
| 123 | Outer Hair Cell Motility: A Possible Electro-Kinetic Mechanism. Lecture Notes in Biomathematics, 1986, , 369-376. | 0.3 | 16 |
| 124 | Coordinated Flagellar and Ciliary Beating in the Protozoon Tritrichomonas foetus. Journal of Eukaryotic Microbiology, 1995, 42, 709-714. | 1.7 | 15 |
| 125 | Cellular distribution of myosin-V in the guinea pig cochlea. Journal of Neurocytology, 1997, 26, 113-120. | 1.5 | 15 |
| 126 | Rapid formation of gap-junction-like structures induced by glycerol. The Anatomical Record, 1985, 213, 7-15. | 1.8 | 14 |

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|---|---|---|---|
| 127 | Immunolocalization of anion exchanger 2Î± in auditory sensory hair cells. Hearing Research, 1997, 110, 141-146. | 2.0 | 14 |
| 128 | Action of 2,3â€butanedione monoxime on capacitance and electromotility of guineaâ€pig cochlear outer hair cells. Journal of Physiology, 2001, 531, 667-676. | 2.9 | 14 |
| 129 | Envelope ultrastructure of uncultured naturally occurring magnetotactic cocci. FEMS Microbiology Letters, 2003, 219, 33-38. | 1.8 | 14 |
| 130 | Impact of the Motor and Tail Domains of Class III Myosins on Regulating the Formation and Elongation of Actin Protrusions. Journal of Biological Chemistry, 2016, 291, 22781-22792. | 3.4 | 14 |
| 131 | Formation of misplaced and reflexive tight junction strands in prostate epithelial cells. Journal of Ultrastructure Research, 1983, 82, 90-95. | 1.1 | 13 |
| 132 | Carbon replicas reveal double stranded structure of tight junctions in phase-contrast electron microscopy. Communications Biology, 2019, 2, 98. | 4.4 | 13 |
| 133 | Tight Junction Dynamics in the Frog Urinary Bladder. Cell Adhesion and Communication, 1996, 4, 53-68. | 1.7 | 12 |
| 134 | Competition and compensation. Bioarchitecture, 2012, 2, 171-174. | 1.5 | 12 |
| 135 | Presynaptic localization of G protein isoforms in the efferent nerve terminals of the mammalian cochlea. Hearing Research, 1998, 116, 1-9. | 2.0 | 10 |
| 136 | Deep-Etching Electron Microscopy of Cells of Magnetospirillum magnetotacticum: Evidence for Filamentous Structures Connecting the Magnetosome Chain to the Cell Surface. Current Microbiology, 2007, 54, 1-4. | 2.2 | 10 |
| 137 | Excitation of eosin when catalyzing electron transport in biochemical systems. Archives of Biochemistry and Biophysics, 1979, 195, 245-247. | 3.0 | 9 |
| 138 | Prestin Contributes to Membrane Compartmentalization and Is Required for Normal Innervation of Outer Hair Cells. Frontiers in Cellular Neuroscience, 2018, 12, 211. | 3.7 | 9 |
| 139 | Differential localization of SAP102 and PSD-95 is revealed in hippocampal spines using super-resolution light microscopy. Communicative and Integrative Biology, 2011, 4, 104-5. | 1.4 | 9 |
| 140 | Freeze-fracture study of rat ventral prostate: The columnar epithelial cell. American Journal of Anatomy, 1981, 161, 49-69. | 1.0 | 7 |
| 141 | Vesicle Targeting in Hair Cells. Audiology and Neuro-Otology, 2002, 7, 45-48. | 1.3 | 7 |
| 142 | Mutation of SLC7A14 causes auditory neuropathy and retinitis pigmentosa mediated by lysosomal dysfunction. Science Advances, 2022, 8, eabk0942. | 10.3 | 7 |
| 143 | Chapter 13 Myosin-Mediated Vesicular Transport in the Extruded Cytoplasm of Characean Algae Cells. Methods in Cell Biology, 1993, 39, 179-190. | 1.1 | 6 |
| 144 | Characterization of ATPase Activity of P2RX2 Cation Channel. Frontiers in Physiology, 2016, 7, 186. | 2.8 | 6 |

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|---|---|---|---|
| 145 | An improved method for the purification of kinesin from bovine adrenal medulla. Journal of Proteomics, 1992, 24, 63-70. | 2.4 | 5 |
| 146 | Chapter 18 Kinesin-Mediated Vesicular Transport in a Biochemically Defined Assay. Methods in Cell Biology, 1993, 39, 253-266. | 1.1 | 4 |
| 147 | Membrane vesicles in magnetotactic bacteria. Microbiological Research, 2003, 158, 317-320. | 5.3 | 4 |
| 148 | Myosin transcellular networks regulate epithelial apical geometry. Cell Cycle, 2013, 12, 2931-2932. | 2.6 | 3 |
| 149 | Hair Cell Mechanotransduction: The Dynamic Interplay Between Structure and Function. Current Topics in Membranes, 2007, 59, 339-374. | 0.9 | 2 |
| 150 | Superresolution Imaging with Standard Fluorescent Probes. Current Protocols in Cell Biology, 2013, 60, 21.8.1-21.8.17. | 2.3 | 1 |
| 151 | Moving Encounters: Actin Treadmilling in the Brush Border. Developmental Cell, 2019, 50, 529-530. | 7.0 | 1 |
| 152 | STRUCTURAL AND MOLECULAR ORGANIZATIONOF THE OUTER HAIR CELL IN UNDERSTANDINGITS MOTILITY. Journal of Otolaryngology of Japan, 1989, 92, 1765-1767. | 0.1 | 0 |
| 153 | The Otoconia of the Vertebrate Gravity Receptor Organs: Biomineral Structure and Interactions with the Protein Filament Matrix. Microscopy and Microanalysis, 2003, 9, 244-245. | 0.4 | 0 |
| 154 | Probing the Molecular Basis for the Lateral Flexibility of Tight Junction Strands. Microscopy and Microanalysis, 2017, 23, 1108-1109. | 0.4 | 0 |