Bechara Kachar

List of Publications by Year
in descending order

Version: 2024-02-01

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	Mutation of SLC7A14 causes auditory neuropathy and retinitis pigmentosa mediated by lysosomal dysfunction. Science Advances, 2022, 8, eabk0942.	10.3	7
2	T cell protein tyrosine phosphatase protects intestinal barrier function by restricting epithelial tight junction remodeling. Journal of Clinical Investigation, 2021, 131, .	8.2	18
3	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
4	Myosin-VIIa is expressed in multiple isoforms and essential for tensioning the hair cell mechanotransduction complex. Nature Communications, 2020, 11, 2066.	12.8	52
5	Dynamic polyhedral actomyosin lattices remodel micron-scale curved membranes during exocytosis in live mice. Nature Cell Biology, 2019, 21, 933-939.	10.3	19
6	Moving Encounters: Actin Treadmilling in the Brush Border. Developmental Cell, 2019, 50, 529-530.	7.0	1
7	Carbon replicas reveal double stranded structure of tight junctions in phase-contrast electron microscopy. Communications Biology, 2019, 2, 98.	4.4	13
8	LMO7 deficiency reveals the significance of the cuticular plate for hearing function. Nature Communications, 2019, 10, 1117.	12.8	36
9	Multiple claudinâ€“claudin cis interfaces are required for tight junction strand formation and inherent flexibility. Communications Biology, 2018, 1, 50.	4.4	51
10	Variable number of TMC1-dependent mechanotransducer channels underlie tonotopic conductance gradients in the cochlea. Nature Communications, 2018, 9, 2185.	12.8	73
11	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
12	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
13	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
14	Probing the Molecular Basis for the Lateral Flexibility of Tight Junction Strands. Microscopy and Microanalysis, 2017, 23, 1108-1109.	0.4	0
15	Characterization of ATPase Activity of P2RX2 Cation Channel. Frontiers in Physiology, 2016, 7, 186.	2.8	6
16	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
17	Plastin 1 widens stereocilia by transforming actin filament packing from hexagonal to liquid. Journal of Cell Biology, 2016, 215, 467-482.	5.2	54
18	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

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19	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
20	Hemi-fused structure mediates and controls fusion and fission in live cells. Nature, 2016, 534, 548-552.	27.8	117
21	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
22	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
23	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
24	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
25	Correlation of Actin Crosslinker and Capper Expression Levels with Stereocilia Growth Phases. Molecular and Cellular Proteomics, 2014, 13, 606-620.	3.8	26
26	Specialized Postsynaptic Morphology Enhances Neurotransmitter Dilution and High-Frequency Signaling at an Auditory Synapse. Journal of Neuroscience, 2014, 34, 8358-8372.	3.6	25
27	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
28	Intestinal Brush Border Assembly Driven by Protocadherin-Based Intermicrovillar Adhesion. Cell, 2014, 157, 433-446.	28.9	159
29	Localization of kainate receptors in inner and outer hair cell synapses. Hearing Research, 2014, 314, 20-32.	2.0	38
30	NMII Forms a Contractile Transcellular Sarcomeric Network to Regulate Apical Cell Junctions and Tissue Geometry. Current Biology, 2013, 23, 731-736.	3.9	150
31	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
32	Superresolution Imaging with Standard Fluorescent Probes. Current Protocols in Cell Biology, 2013, 60, 21.8.1-21.8.17.	2.3	1
33	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
34	Mutation of the ATP-gated P2X ₂ 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
35	Myosin transcellular networks regulate epithelial apical geometry. Cell Cycle, 2013, 12, 2931-2932.	2.6	3
36	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

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37	Competition and compensation. Bioarchitecture, 2012, 2, 171-174.	1.5	12
38	Mouse models of MYH9-related disease: mutations in nonmuscle myosin II-A. Blood, 2012, 119, 238-250.	1.4	151
39	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
40	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
41	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
42	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
43	A role for actin arcs in the leading-edge advance of migrating cells. Nature Cell Biology, 2011, 13, 371-382.	10.3	314
44	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
45	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
46	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
47	Sharp Ca²⁺Nanodomains beneath the Ribbon Promote Highly Synchronous Multivesicular Release at Hair Cell Synapses. Journal of Neuroscience, 2011, 31, 16637-16650.	3.6	145
48	Regulation of PCDH15 function in mechanosensory hair cells by alternative splicing of the cytoplasmic domain. Development (Cambridge), 2011, 138, 1607-1617.	2.5	111
49	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
50	Changes in plasma membrane structure and electromotile properties in prestin deficient outer hair cells. Cytoskeleton, 2010, 67, 43-55.	2.0	34
51	The cell biology of hearing. Journal of Cell Biology, 2010, 190, 9-20.	5.2	252
52	Intermolecular Autophosphorylation Regulates Myosin IIIa Activity and Localization in Parallel Actin Bundles. Journal of Biological Chemistry, 2010, 285, 35770-35782.	3.4	37
53	SAP102 Is a Highly Mobile MAGUK in Spines. Journal of Neuroscience, 2010, 30, 4757-4766.	3.6	65
54	Regulation of Cellular Calcium in Vestibular Supporting Cells by Otopetrin 1. Journal of Neurophysiology, 2010, 104, 3439-3450.	1.8	40

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55	Retinal Parallel Processors: More than 100 Independent Microcircuits Operate within a Single Interneuron. Neuron, 2010, 65, 873-885.	8.1	148
56	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
57	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
58	Harmonin Mutations Cause Mechanotransduction Defects in Cochlear Hair Cells. Neuron, 2009, 62, 375-387.	8.1	149
59	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
60	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
61	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
62	Protein Localization by Actin Treadmilling and Molecular Motors Regulates Stereocilia Shape and Treadmilling Rate. Biophysical Journal, 2008, 95, 5706-5718.	0.5	49
63	Dynamic length regulation of sensory stereocilia. Seminars in Cell and Developmental Biology, 2008, 19, 502-510.	5.0	81
64	Stepwise Morphological and Functional Maturation of Mechanotransduction in Rat Outer Hair Cells. Journal of Neuroscience, 2007, 27, 13890-13902.	3.6	122
65	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
66	Hair Cell Mechanotransduction: The Dynamic Interplay Between Structure and Function. Current Topics in Membranes, 2007, 59, 339-374.	0.9	2
67	Cadherin 23 and protocadherin 15 interact to form tip-link filaments in sensory hair cells. Nature, 2007, 449, 87-91.	27.8	636
68	Developmental expression of Kcnq4 in vestibular neurons and neurosensory epithelia. Brain Research, 2007, 1139, 117-125.	2.2	32
69	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
70	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
71	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
72	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

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73	When size matters: the dynamic regulation of stereocilia lengths. Current Opinion in Cell Biology, 2005, 17, 55-61.	5.4	65
74	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
75	CLAMP, a novel microtubule-associated protein with EB-type calponin homology. Cytoskeleton, 2005, 62, 141-156.	4.4	34
76	Balanced levels of Espin are critical for stereociliary growth and length maintenance. Cytoskeleton, 2005, 62, 157-165.	4.4	63
77	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
78	A Novel Bovine Virus Efficiently Transduces Inner Ear Neuroepithelial Cells. Molecular Therapy, 2005, 11, 849-855.	8.2	36
79	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
80	Sustained cadherin 23 expression in young and adult cochlea of normal and hearing-impaired mice. Hearing Research, 2005, 208, 114-121.	2.0	36
81	An actin molecular treadmill and myosins maintain stereocilia functional architecture and self-renewal. Journal of Cell Biology, 2004, 164, 887-897.	5.2	275
82	Roles of uroplakins in plaque formation, umbrella cell enlargement, and urinary tract diseases. Journal of Cell Biology, 2004, 167, 1195-1204.	5.2	152
83	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
84	Evidence and Implications of Inhomogeneity in Tectorial Membrane Elasticity. Biophysical Journal, 2004, 87, 2768-2777.	0.5	60
85	Gene Expression Profile of the Mouse Organ of Corti at the Onset of Hearing. Genomics, 2004, 83, 1000-1011.	2.9	18
86	Identification of unique transcripts from a mouse full-length, subtracted inner ear cDNA library. Genomics, 2004, 83, 1012-1023.	2.9	23
87	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
88	Membrane vesicles in magnetotactic bacteria. Microbiological Research, 2003, 158, 317-320.	5.3	4
89	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
90	Envelope ultrastructure of uncultured naturally occurring magnetotactic cocci. FEMS Microbiology Letters, 2003, 219, 33-38.	1.8	14

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91	Expression of prestin, a membrane motor protein, in the mammalian auditory and vestibular periphery. Hearing Research, 2003, 184, 27-40.	2.0	64
92	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
93	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
94	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
95	Vesicle Targeting in Hair Cells. Audiology and Neuro-Otology, 2002, 7, 45-48.	1.3	7
96	Rapid renewal of auditory hair bundles. Nature, 2002, 418, 837-838.	27.8	173
97	Mutations in the Gene Encoding Tight Junction Claudin-14 Cause Autosomal Recessive Deafness DFNB29. Cell, 2001, 104, 165-172.	28.9	430
98	Plasma Membrane Ca²⁺-ATPase Isoform 2a Is the PMCA of Hair Bundles. Journal of Neuroscience, 2001, 21, 5066-5078.	3.6	202
99	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
100	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
101	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
102	Purinergic control of intercellular communication between Hensen's cells of the guineaâ€pig cochlea. Journal of Physiology, 2001, 531, 693-706.	2.9	47
103	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
104	Development and Maintenance of Otoconia. Annals of the New York Academy of Sciences, 2001, 942, 162-178.	3.8	112
105	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
106	Membrane changes during hibernation. Nature, 2000, 407, 317-318.	27.8	31
107	Modifier genes of hereditary hearing loss. Current Opinion in Neurobiology, 2000, 10, 487-493.	4.2	38
108	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

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109	Water Permeability of Cochlear Outer Hair Cells: Characterization and Relationship to Electromotility. Journal of Neuroscience, 2000, 20, 8996-9003.	3.6	47
110	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
111	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
112	ATP-Induced Ca²⁺ Release in Cochlear Outer Hair Cells: Localization of an Inositol Triphosphate-Gated Ca²⁺ Store to the Base of the Sensory Hair Bundle. Journal of Neuroscience, 1999, 19, 6918-6929.	3.6	85
113	Urothelial hinge as a highly specialized membrane: detergent-insolubility, urohingin association, and in vitro formation. Differentiation, 1999, 65, 59-69.	1.9	34
114	Establishment and characterization of conditionally immortalized organ of corti cell lines. Cell Biology International, 1999, 23, 175-184.	3.0	65
115	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
116	CNS Myelin and Sertoli Cell Tight Junction Strands Are Absent in Osp/Claudin-11 Null Mice. Cell, 1999, 99, 649-659.	28.9	649
117	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
118	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
119	Presynaptic localization of G protein isoforms in the efferent nerve terminals of the mammalian cochlea. Hearing Research, 1998, 116, 1-9.	2.0	10
120	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
121	The Membrane-based Mechanism of Cell Motility in Cochlear Outer Hair Cells. Molecular Biology of the Cell, 1998, 9, 1961-1968.	2.1	39
122	Compartmentalized vesicular traffic around the hair cell cuticular plate. Hearing Research, 1997, 107, 102-112.	2.0	91
123	Immunolocalization of anion exchanger 2Î± in auditory sensory hair cells. Hearing Research, 1997, 110, 141-146.	2.0	14
124	Cellular distribution of myosin-V in the guinea pig cochlea. Journal of Neurocytology, 1997, 26, 113-120.	1.5	15
125	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
126	Freeze-substitution as a preparative technique for immunoelectronmicroscopy: Evaluation by atomic force microscopy. , 1996, 33, 251-261.		16

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127	Tight Junction Dynamics in the Frog Urinary Bladder. Cell Adhesion and Communication, 1996, 4, 53-68.	1.7	12
128	Coordinated Flagellar and Ciliary Beating in the Protozoon Tritrichomonas foetus. Journal of Eukaryotic Microbiology, 1995, 42, 709-714.	1.7	15
129	The observation of large magnetite (Fe₃O₄) crystals from magnetotactic bacteria by electron and atomic force microscopy. Journal of Microscopy, 1994, 173, 1-8.	1.8	33
130	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
131	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
132	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
133	Inhibition of outer hair cell electromotility by sulfhydryl specific reagents. Neuroscience Letters, 1993, 157, 231-234.	2.1	27
134	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
135	Chapter 18 Kinesin-Mediated Vesicular Transport in a Biochemically Defined Assay. Methods in Cell Biology, 1993, 39, 253-266.	1.1	4
136	Structural domains of the tight junctional intramembrane fibrils. Tissue and Cell, 1992, 24, 291-300.	2.2	26
137	An improved method for the purification of kinesin from bovine adrenal medulla. Journal of Proteomics, 1992, 24, 63-70.	2.4	5
138	Surface Domains in the Pathogenic ProtozoanTritrichomonas foetus. Journal of Protozoology, 1992, 39, 480-484.	0.8	19
139	Structural basis for mechanical transduction in the frog vestibular sensory apparatus: I. The otolithic membrane. Hearing Research, 1990, 45, 179-190.	2.0	82
140	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
141	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
142	Spontaneous polymerization of the antibiotic peptide magainin 2. FEBS Letters, 1989, 247, 17-21.	2.8	41
143	STRUCTURAL AND MOLECULAR ORGANIZATIONOF THE OUTER HAIR CELL IN UNDERSTANDINGITS MOTILITY. Journal of Otolaryngology of Japan, 1989, 92, 1765-1767.	0.1	0
144	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

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145	Electrokinetic shape changes of cochlear outer hair cells. Nature, 1986, 322, 365-368.	27.8	342
146	Outer Hair Cell Motility: A Possible Electro-Kinetic Mechanism. Lecture Notes in Biomathematics, 1986, , 369-376.	0.3	16
147	Rapid formation of gap-junction-like structures induced by glycerol. The Anatomical Record, 1985, 213, 7-15.	1.8	14
148	Immunocytochemical localization of choline acetyltransferase-like immunoreactivity in the guinea pig cochlea. Brain Research, 1985, 338, 1-11.	2.2	93
149	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
150	Formation of misplaced and reflexive tight junction strands in prostate epithelial cells. Journal of Ultrastructure Research, 1983, 82, 90-95.	1.1	13
151	Evidence for the lipidic nature of tight junction strands. Nature, 1982, 296, 464-466.	27.8	272
152	On tight-junction structure. Cell, 1982, 28, 441-450.	28.9	214
153	Freeze-fracture study of rat ventral prostate: The columnar epithelial cell. American Journal of Anatomy, 1981, 161, 49-69.	1.0	7
154	Excitation of eosin when catalyzing electron transport in biochemical systems. Archives of Biochemistry and Biophysics, 1979, 195, 245-247.	3.0	9