# Frederick Sachs

List of Publications by Year
in descending order



| 139 | 10,657 | 36691 53 | 38517 99 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 142 | 142 | 142 | 9895 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Adherent cell remodeling on micropatterns is modulated by Piezo1 channels. Scientific Reports, 2021, 11, 5088. | 1.6 | 10 |
| 2 | Fully implicit spectral boundary integral computation of red blood cell flow. Physics of Fluids, 2021, 33, . | 1.6 | 4 |
| 3 | Membrane tension. Current Topics in Membranes, 2021, 88, 189-203. | 0.5 | 1 |
| 4 | Genetically Engineered Myoblasts for Measuring Nuclear Lamina Stress. Biophysical Journal, 2020, 118, 284a. | 0.2 | 0 |
| 5 | Investigating the interaction of Grammostola rosea venom peptides and model lipid bilayers with solid-state NMR and electron microscopy techniques. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 151-160. | 1.4 | 3 |
| 6 | Shear stress induced nuclear shrinkage through activation of Piezo1 channels in epithelial cells. Journal of Cell Science, 2019, 132, . | 1.2 | 32 |
| 7 | Piezo1 Mediated Ca2+ Signaling Causes Nuclear Shrinkage under Fluid Shear Stress. Biophysical Journal, 2019, 116, 460a. | 0.2 | 0 |
| 8 | Mechanical Transduction and the Dark Energy of Biology. Biophysical Journal, 2018, 114, 3-9. | 0.2 | 14 |
| 9 | Functional analyses of heteromeric human PIEZO1 Channels. PLoS ONE, 2018, 13, e0207309. | 1.1 | 5 |
| 10 | Enantiomeric AÎ² peptides inhibit the fluid shear stress response of PIEZO1. Scientific Reports, 2018, 8, 14267. | 1.6 | 52 |
| 11 | Cytoskeletal Contribution to Cell Stiffness Due to Osmotic Swelling; Extending the Donnan Equilibrium. Current Topics in Membranes, 2018, 81, 83-96. | 0.5 | 7 |
| 12 | GsMTx4-D provides protection to the D2.mdx mouse. Neuromuscular Disorders, 2018, 28, 868-877. | 0.3 | 16 |
| 13 | Heterogeneous Cytoskeletal Force Distribution Delineates the Onset Ca2+ Influx Under Fluid Shear Stress in Astrocytes. Frontiers in Cellular Neuroscience, 2018, 12, 69. | 1.8 | 19 |
| 14 | GsMTx4: Mechanism of Inhibiting Mechanosensitive Ion Channels. Biophysical Journal, 2017, 112, 31-45. | 0.2 | 152 |
| 15 | Mechanical stress activates NMDA receptors in the absence of agonists. Scientific Reports, 2017, 7, 39610. | 1.6 | 68 |
| 16 | In Situ Measurements of Protein Forces and Intracellular Ca 2+ under Fluid Shear Stimuli. Biophysical Journal, 2017, 112, 310a-311a. | 0.2 | 0 |
| 17 | Investigating the structural dynamics of the PIEZO1 channel activation and inactivation by coarseâ€grained modeling. Proteins: Structure, Function and Bioinformatics, 2017, 85, 2198-2208. | 1.5 | 7 |
| 18 | Flow induced adherens junction remodeling driven by cytoskeletal forces. Experimental Cell Research, 2017, 359, 327-336. | 1.2 | 13 |

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| 19 | Unsupervised Idealization of Ion Channel Recordings by Minimum Description Length: Application to Human PIEZO1-Channels. Frontiers in Neuroinformatics, 2017, 11, 31. | 1.3 | 17 |
| 20 | Human PIEZO1 Ion Channel Functions as a Split Protein. PLoS ONE, 2016, 11, e0151289. | 1.1 | 12 |
| 21 | GsMTx4-D is a cardioprotectant against myocardial infarction during ischemia and reperfusion. Journal of Molecular and Cellular Cardiology, 2016, 98, 83-94. | 0.9 | 32 |
| 22 | Removal of the mechanoprotective influence of the cytoskeleton reveals PIEZO1 is gated by bilayer tension. Nature Communications, 2016, 7, 10366. | 5.8 | 391 |
| 23 | A Lamin a Chimeric Protein Containing a FRET Based Stress Sensors Reports Spatio-Temporal Forces in the Nuclear Lamina. Biophysical Journal, 2016, 110, 23a-24a. | 0.2 | 0 |
| 24 | Adaptation Independent Modulation of Auditory Hair Cell Mechanotransduction Channel Open Probability Implicates a Role for the Lipid Bilayer. Journal of Neuroscience, 2016, 36, 2945-2956. | 1.7 | 61 |
| 25 | Ionic Selectivity and Permeation Properties of Human PIEZO1 Channels. PLoS ONE, 2015, 10, e0125503. | 1.1 | 125 |
| 26 | Cell volume control in three dimensions: Water movement without solute movement. Journal of General Physiology, 2015, 145, 373-380. | 0.9 | 45 |
| 27 | Protonation of the Human PIEZO1 Ion Channel Stabilizes Inactivation. Journal of Biological Chemistry, 2015, 290, 5167-5173. | 1.6 | 52 |
| 28 | How to get more from less. Physics of Life Reviews, 2015, 13, 150-152. | 1.5 | 1 |
| 29 | Mechanical dynamics in live cells and fluorescence-based force/tension sensors. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1889-1904. | 1.9 | 42 |
| 30 | Flow-induced focal adhesion remodeling mediated by local cytoskeletal stresses and reorganization. Cell Adhesion and Migration, 2015, 9, 432-440. | 1.1 | 14 |
| 31 | Effects of Lys to Glu mutations in GsMTx4 on membrane binding, peptide orientation, and self-association propensity, as analyzed by molecular dynamics simulations. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2767-2778. | 1.4 | 14 |
| 32 | A Threshold Shear Force for Calcium Influx in an Astrocyte Model of Traumatic Brain Injury. Journal of Neurotrauma, 2015, 32, 1020-1029. | 1.7 | 60 |
| 33 | Mechanical transduction by ion channels: A cautionary tale. World Journal of Neurology, 2015, 5, 74. | 0.6 | 38 |
| 34 | Synergy between Piezo1 and Piezo2 channels confers high-strain mechanosensitivity to articular cartilage. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5114-22. | 3.3 | 321 |
| 35 | Hereditary xerocytosis revisited. American Journal of Hematology, 2014, 89, 1142-1146. | 2.0 | 47 |
| 36 | Actin stress in cell reprogramming. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5252-61. | 3.3 | 85 |

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| 37 | Fluorescence-Based Force/Tension Sensors: A Novel Tool to Visualize Mechanical Forces in Structural Proteins in Live Cells. Antioxidants and Redox Signaling, 2014, 20, 986-999. | 2.5 | 49 |
| 38 | Small Quantum Dots Conjugated to Nanobodies as Immunofluorescence Probes for Nanometric Microscopy. Bioconjugate Chemistry, 2014, 25, 2205-2211. | 1.8 | 29 |
| 39 | Gigaseal Mechanics: Creep of the Gigaseal under the Action of Pressure, Adhesion, and Voltage. Journal of Physical Chemistry B, 2014, 118, 12660-12672. | 1.2 | 25 |
| 40 | Silencing of Kir2 channels by caveolinâ€1: crossâ€talk with cholesterol. Journal of Physiology, 2014, 592, 4025-4038. | 1.3 | 25 |
| 41 | Two Segments of the Human PIEZO1 Mechanosensitive Ion Channel Can Reassemble into a Functional Unit. Biophysical Journal, 2014, 106, 309a. | 0.2 | 0 |
| 42 | Abstract 12292: GsMTx4-D is a Cardioprotectant Against Myocardial Infarction During Ischemia and Reperfusion. Circulation, 2014, 130, . | 1.6 | 0 |
| 43 | Human PIEZO1: Removing Inactivation. Biophysical Journal, 2013, 105, 880-886. | 0.2 | 64 |
| 44 | Positively Charged Residues on GsMTx4 are Crucial for Inhibition of the Mechanosensitive Ion Channel Piezo1. Biophysical Journal, 2013, 104, 467a. | 0.2 | 3 |
| 45 | Xerocytosis is caused by mutations that alter the kinetics of the mechanosensitive channel PIEZO1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1162-8. | 3.3 | 261 |
| 46 | SOLVING ION CHANNEL KINETICS WITH THE QuB SOFTWARE. Biophysical Reviews and Letters, 2013, 08, 191-211. | 0.9 | 124 |
| 47 | Mechanical Effects on KATP Channel Gating in Rat Ventricular Myocytes. PLoS ONE, 2013, 8, e63337. | 1.1 | 15 |
| 48 | Caveolae Regulation of Mechanosensitive Channel Function in Myotubes. PLoS ONE, 2013, 8, e72894. | 1.1 | 32 |
| 49 | Mechanoprotection by Polycystins Against Apoptosis is Mediated Through the Opening of Stretchâ€Activated K2P Channels. FASEB Journal, 2013, 27, 912.2. | 0.2 | 0 |
| 50 | Gating the mechanical channel Piezo1. Channels, 2012, 6, 282-289. | 1.5 | 168 |
| 51 | Piezo1. Channels, 2012, 6, 214-219. | 1.5 | 103 |
| 52 | Orientation-based FRET sensor for real-time imaging of cellular forces. Journal of Cell Science, 2012, 125, 743-750. | 1.2 | 100 |
| 53 | Shear-induced Volume Decrease in MDCK Cells. Cellular Physiology and Biochemistry, 2012, 30, 395-406. | 1.1 | 20 |
| 54 | A Microfluidic Assay for Measuring Electrical Conductivity of Gap Junction Channels. Materials Research Society Symposia Proceedings, 2012, 1415, 22. | 0.1 | 0 |

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| 55 | The sensation of stretch. Nature, 2012, 483, 163-164. | 13.7 | 15 |
| 56 | Molecular force transduction by ion channels â€“ diversity and unifying principles. Journal of Cell Science, 2012, 125, 3075-83. | 1.2 | 168 |
| 57 | High Throughput Assay of Diffusion through Cx43 Gap Junction Channels with a Microfluidic Chip. Analytical Chemistry, 2011, 83, 933-939. | 3.2 | 28 |
| 58 | Modeling Ion Channels in the Gigaseal. Biophysical Journal, 2011, 101, 2645-2651. | 0.2 | 12 |
| 59 | The Mechanosensitive Ion Channel Piezo1 Is Inhibited by the Peptide GsMTx4. Biochemistry, 2011, 50, 6295-6300. | 1.2 | 376 |
| 60 | Stretch induced endothelin-1 secretion by adult rat astrocytes involves calcium influx via stretch-activated ion channels (SACs). Biochemical and Biophysical Research Communications, 2011, 410, 81-86. | 1.0 | 43 |
| 61 | Real Time FRET Based Detection of Mechanical Stress in Cytoskeletal and Extracellular Matrix Proteins. Cellular and Molecular Bioengineering, 2011, 4, 148-159. | 1.0 | 65 |
| 62 | Cholesterol Depletion Facilitates Recovery from Hypotonic Cell Swelling in CHO Cells. Cellular Physiology and Biochemistry, 2011, 28, 1247-1254. | 1.1 | 7 |
| 63 | Visualizing dynamic cytoplasmic forces with a compliance-matched FRET sensor. Journal of Cell Science, 2011, 124, 261-269. | 1.2 | 127 |
| 64 | Genetically encoded force sensors for measuring mechanical forces in proteins. Communicative and Integrative Biology, 2011, 4, 385-390. | 0.6 | 24 |
| 65 | Genetically encoded force sensors for measuring mechanical forces in proteins. Communicative and Integrative Biology, 2011, 4, 385-90. | 0.6 | 18 |
| 66 | Stretch-Activated Ion Channels: What Are They?. Physiology, 2010, 25, 50-56. | 1.6 | 267 |
| 67 | Mechanosensitivity of Na<sub>v</sub>1.5, a voltage-sensitive sodium channel. Journal of Physiology, 2010, 588, 4969-4985. | 1.3 | 155 |
| 68 | A mechanosensitive ion channel regulating cell volume. American Journal of Physiology - Cell Physiology, 2010, 298, C1424-C1430. | 2.1 | 52 |
| 69 | Effects of GsMTx4 on Bacterial Mechanosensitive Channels in Inside-Out Patches from Giant Spheroplasts. Biophysical Journal, 2010, 99, 2870-2878. | 0.2 | 39 |
| 70 | Neurite outgrowth from PC12 cells is enhanced by an inhibitor of mechanical channels. Neuroscience Letters, 2010, 481, 115-119. | 1.0 | 51 |
| 71 | Hypoxia Activates a Ca2+-Permeable Cation Conductance Sensitive to Carbon Monoxide and to GsMTx-4 in Human and Mouse Sickle Erythrocytes. PLoS ONE, 2010, 5, e8732. | 1.1 | 50 |
| 72 | Electromechanical coupling in the membranes of Shaker-transfected HEK cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6626-6631. | 3.3 | 41 |

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| 73 | A simple automated stimulator of mechanically induced arrhythmias in the isolated rat heart. Experimental Physiology, 2009, 94, 1054-1061. | 0.9 | 6 |
| 74 | Polycystin-1 and -2 Dosage Regulates Pressure Sensing. Cell, 2009, 139, 587-596. | 13.5 | 299 |
| 75 | Biophysics and Structure of the Patch and the Gigaseal. Biophysical Journal, 2009, 97, 738-747. | 0.2 | 169 |
| 76 | Stretch-Activated Potassium Channels in Hypotonically Induced Blebs of Atrial Myocytes. Journal of Membrane Biology, 2008, 226, 17-25. | 1.0 | 15 |
| 77 | Dynamic Effects of Hg2+-induced Changes in Cell Volume. Cell Biochemistry and Biophysics, 2008, 51, 21-32. | 0.9 | 11 |
| 78 | Revisiting TRPC1 and TRPC6 mechanosensitivity. Pflugers Archiv European Journal of Physiology, 2008, 455, 1097-1103. | 1.3 | 229 |
| 79 | Microfluidic Chip to Produce Temperature Jumps for Electrophysiology. Analytical Chemistry, 2008, 80, 2447-2451. | 3.2 | 26 |
| 80 | A fluorescence energy transferâ€based mechanical stress sensor for specific proteins inâ€ƒsitu. FEBS Journal, 2008, 275, 3072-3087. | 2.2 | 144 |
| 81 | The slow force response to stretch in atrial and ventricular myocardium from human heart: Functional relevance and subcellular mechanisms. Progress in Biophysics and Molecular Biology, 2008, 97, 250-267. | 1.4 | 60 |
| 82 | Atomic force microscopy analysis of cell volume regulation. Physical Review E, 2008, 78, 031916. | 0.8 | 54 |
| 83 | Angiotensin II and myosin light-chain phosphorylation contribute to the stretch-induced slow force response in human atrial myocardium. Cardiovascular Research, 2008, 79, 642-651. | 1.8 | 22 |
| 84 | Regulation of the Mechanoâ€Gated K2P Channel TREKâ€1 by Membrane Phospholipids. Current Topics in Membranes, 2007, 59, 155-170. | 0.5 | 24 |
| 85 | Properties and Mechanism of the Mechanosensitive Ion Channel Inhibitor GsMTx4, a Therapeutic Peptide Derived from Tarantula Venom. Current Topics in Membranes, 2007, 59, 81-109. | 0.5 | 22 |
| 86 | Mechanosensitive ion channels and the peptide inhibitor GsMTx-4: History, properties, mechanisms and pharmacology. Toxicon, 2007, 49, 249-270. | 0.8 | 161 |
| 87 | Is Lipid Bilayer Binding a Common Property of Inhibitor Cysteine Knot Ion-Channel Blockers?. Biophysical Journal, 2007, 93, L20-L22. | 0.2 | 46 |
| 88 | Mechanosensitive channel properties and membrane mechanics in mouse dystrophic myotubes. Journal of Physiology, 2007, 581, 369-387. | 1.3 | 90 |
| 89 | Up- and down-regulation of the mechano-gated K2P channel TREK-1 by PIP2 and other membrane phospholipids. Pflugers Archiv European Journal of Physiology, 2007, 455, 97-103. | 1.3 | 72 |
| 90 | Extracting Dwell Time Sequences from Processive Molecular Motor Data. Biophysical Journal, 2006, 91, 3135-3150. | 0.2 | 30 |

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| 91 | Maximum Likelihood Estimation of Molecular Motor Kinetics from Staircase Dwell-Time Sequences. Biophysical Journal, 2006, 91, 1156-1168. | 0.2 | 51 |
| 92 | Probing the Double Layer: Effect of Image Forces on AFM. Biophysical Journal, 2006, 91, L14-L15. | 0.2 | 5 |
| 93 | Streptomycin reduces stretch-induced membrane permeability in muscles from mdx mice. Neuromuscular Disorders, 2006, 16, 845-854. | 0.3 | 91 |
| 94 | Microfabricated torsion levers optimized for low force and high-frequency operation in fluids. Ultramicroscopy, 2006, 106, 838-846. | 0.8 | 17 |
| 95 | Reducing probe dependent drift in atomic force microscope with symmetrically supported torsion levers. Review of Scientific Instruments, 2006, 77, 056105. | 0.6 | 15 |
| 96 | Ca2+ Influx through Mechanosensitive Channels Inhibits Neurite Outgrowth in Opposition to Other Influx Pathways and Release from Intracellular Stores. Journal of Neuroscience, 2006, 26, 5656-5664. | 1.7 | 126 |
| 97 | Desensitization of mechano-gated K2P channels. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6859-6864. | 3.3 | 124 |
| 98 | Effects of stretch-activated channel blockers on [Ca2+]iand muscle damage in themdxmouse. Journal of Physiology, 2005, 562, 367-380. | 1.3 | 245 |
| 99 | Volume Cytometry:Â Microfluidic Sensor for High-Throughput Screening in Real Time. Analytical Chemistry, 2005, 77, 1290-1294. | 3.2 | 43 |
| 100 | Mechanosensation and endothelin in astrocytesâ€"hypothetical roles in CNS pathophysiology. Brain Research Reviews, 2005, 48, 488-508. | 9.1 | 87 |
| 101 | Maximum Likelihood Estimation of Ion Channel Kinetics from Macroscopic Currents. Biophysical Journal, 2005, 88, 2494-2515. | 0.2 | 119 |
| 102 | Microfluidic Cell Volume Biosensor for High Throughput Drug Screening. Materials Research Society Symposia Proceedings, 2004, 845, 128. | 0.1 | 0 |
| 103 | Dynamic regulation of mechanosensitive channels: capacitance used to monitor patch tension in real time. Physical Biology, 2004, 1, 1-18. | 0.8 | 224 |
| 104 | Bilayer-dependent inhibition of mechanosensitive channels by neuroactive peptide enantiomers. Nature, 2004, 430, 235-240. | 13.7 | 271 |
| 105 | Dynamic properties of stretch-activated K+ channels in adult rat atrial myocytes. Progress in Biophysics and Molecular Biology, 2003, 82, 121-135. | 1.4 | 63 |
| 106 | cDNA sequence and in vitro folding of GsMTx4, a specific peptide inhibitor of mechanosensitive channels. Toxicon, 2003, 42, 263-274. | 0.8 | 74 |
| 107 | Flexoelectricity and elasticity of asymmetric biomembranes. Physical Review E, 2002, 65, 021905. | 0.8 | 31 |
| 108 | Solution Structure of Peptide Toxins That Block Mechanosensitive Ion Channels. Journal of Biological Chemistry, 2002, 277, 34443-34450. | 1.6 | 88 |

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| 109 | Microfluidic Actuation Using Electrochemically Generated Bubbles. Analytical Chemistry, 2002, 74, 6392-6396. | 3.2 | 106 |
| 110 | Retaining your identity under stress. , 2002, 9, 636-637. | | 11 |
| 111 | High-speed pressure clamp. Pflugers Archiv European Journal of Physiology, 2002, 445, 161-166. | 1.3 | 82 |
| 112 | Dynamic AFM of Patch Clamped Membranes. , 2001, , 425-460. | | 0 |
| 113 | Voltage-induced membrane movement. Nature, 2001, 413, 428-432. | 13.7 | 217 |
| 114 | Tarantula peptide inhibits atrial fibrillation. Nature, 2001, 409, 35-36. | 13.7 | 292 |
| 115 | Stretch-Induced Endothelin-1 Production by Astrocytes. Journal of Cardiovascular Pharmacology, 2000, 36, S274-S277. | 0.8 | 26 |
| 116 | Inactivation of P2X 2 purinoceptors by divalent cations. Journal of Physiology, 2000, 522, 199-214. | 1.3 | 50 |
| 117 | Stretch-activated whole cell currents in adult rat cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H548-H557. | 1.5 | 148 |
| 118 | Identification of a Peptide Toxin from Grammostola spatulata Spider Venom That Blocks Cation-Selective Stretch-Activated Channels. Journal of General Physiology, 2000, 115, 583-598. | 0.9 | 321 |
| 119 | A Direct Optimization Approach to Hidden Markov Modeling for Single Channel Kinetics. Biophysical Journal, 2000, 79, 1915-1927. | 0.2 | 203 |
| 120 | Hidden Markov Modeling for Single Channel Kinetics with Filtering and Correlated Noise. Biophysical Journal, 2000, 79, 1928-1944. | 0.2 | 111 |
| 121 | Single Channel Properties of P2X2 Purinoceptors. Journal of General Physiology, 1999, 113, 695-720. | 0.9 | 159 |
| 122 | Energetic and Spatial Parameters for Gating of the Bacterial Large Conductance Mechanosensitive Channel, MscL. Journal of General Physiology, 1999, 113, 525-540. | 0.9 | 364 |
| 123 | Practical Limits on the Maximal Speed of Solution Exchange for Patch Clamp Experiments. Biophysical Journal, 1999, 77, 682-690. | 0.2 | 44 |
| 124 | The Breakdown of Cell Membranes by Electrical and Mechanical Stress. Biophysical Journal, 1998, 75, 247-254. | 0.2 | 120 |
| 125 | Maximum likelihood estimation of aggregated Markov processes. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 375-383. | 1.2 | 254 |
| 126 | Stretch-Activated Ion Channels in the Heart. Journal of Molecular and Cellular Cardiology, 1997, 29, 1511-1523. | 0.9 | 303 |

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| 127 | Storing analog data in a video record. Journal of Neuroscience Methods, 1997, 76, 151-155. | 1.3 | 2 |
| 128 | A low drift micropipette holder. Pflugers Archiv European Journal of Physiology, 1995, 429, 434-435. | 1.3 | 8 |
| 129 | Mechanotransducing ion channels in astrocytes. Brain Research, 1992, 584, 272-286. | 1.1 | 86 |
| 130 | Alignment of tomographic projections using an incomplete set of fiducial markers. Ultramicroscopy, 1991, 35, 37-43. | 0.8 | 29 |
| 131 | Inhibiting synthesis of extracellular matrix improves patch clamp seal formation. Pflugers Archiv European Journal of Physiology, 1991, 419, 218-220. | 1.3 | 13 |
| 132 | Single-Channel Mechanosensitive Currents. Science, 1991, 253, 800-801. | 6.0 | 1 |
| 133 | Improving performance of motorized slides for micromanipulation. Journal of Neuroscience Methods, 1989, 28, 225-227. | 1.3 | 3 |
| 134 | Biophysics of Mechanoreception. Membrane Biochemistry, 1986, 6, 173-195. | 0.6 | 112 |
| 135 | [14] Temperature measurement and control of small volumes: Applications for single channel recording. Methods in Enzymology, 1986, 124, 190-206. | 0.4 | 2 |
| 136 | [9] Single-channel electrophysiology: Use of the patch clamp. Methods in Enzymology, 1983, 103, 147-176. | 0.4 | 23 |
| 137 | Microforge modifications useful for construction of micropipettes to record the response of single ionic channels from living cells. Journal of Neuroscience Methods, 1980, 2, 267-271. | 1.3 | 3 |
| 138 | Single ionic channels observed in tissue-cultured muscle. Nature, 1979, 282, 861-863. | 13.7 | 77 |
| 139 | Electrophysiological properties of tissue cultured heart cells grown in a linear array. Journal of Membrane Biology, 1976, 28, 373-399. | 1.0 | 17 |