

# J Kevin Foskett

## List of Publications by Year in descending order

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135  
papers

12,282  
citations

23544

58  
h-index

26591

107  
g-index

143  
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143  
docs citations

143  
times ranked

12280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inositol Trisphosphate Receptor Ca <sup>2+</sup> Release Channels. <i>Physiological Reviews</i> , 2007, 87, 593-658.	13.1	1,066
2	Essential Regulation of Cell Bioenergetics by Constitutive InsP <sub>3</sub> Receptor Ca <sup>2+</sup> Transfer to Mitochondria. <i>Cell</i> , 2010, 142, 270-283.	13.5	888
3	MICU1 Is an Essential Gatekeeper for MCU-Mediated Mitochondrial Ca <sup>2+</sup> Uptake that Regulates Cell Survival. <i>Cell</i> , 2012, 151, 630-644.	13.5	543
4	MCUR1 is an essential component of mitochondrial Ca <sup>2+</sup> uptake that regulates cellular metabolism. <i>Nature Cell Biology</i> , 2012, 14, 1336-1343.	4.6	450
5	Mechanism of Ca <sup>2+</sup> Disruption in Alzheimer's Disease by Presenilin Regulation of InsP <sub>3</sub> Receptor Channel Gating. <i>Neuron</i> , 2008, 58, 871-883.	3.8	426
6	CALHM1 ion channel mediates purinergic neurotransmission of sweet, bitter and umami tastes. <i>Nature</i> , 2013, 495, 223-226.	13.7	405
7	The endoplasmic reticulum gateway to apoptosis by Bcl-XL modulation of the InsP <sub>3</sub> R. <i>Nature Cell Biology</i> , 2005, 7, 1021-1028.	4.6	383
8	A Polymorphism in CALHM1 Influences Ca <sup>2+</sup> Homeostasis, A <sup>12</sup> Levels, and Alzheimer's Disease Risk. <i>Cell</i> , 2008, 133, 1149-1161.	13.5	310
9	Subunit Stoichiometry of the Epithelial Sodium Channel. <i>Journal of Biological Chemistry</i> , 1998, 273, 13469-13474.	1.6	201
10	Inhibition of cystic fibrosis transmembrane conductance regulator by novel interaction with the metabolic sensor AMP-activated protein kinase. <i>Journal of Clinical Investigation</i> , 2000, 105, 1711-1721.	3.9	199
11	Selective Vulnerability of Cancer Cells by Inhibition of Ca <sup>2+</sup> Transfer from Endoplasmic Reticulum to Mitochondria. <i>Cell Reports</i> , 2016, 14, 2313-2324.	2.9	195
12	Gain-of-Function Enhancement of IP <sub>3</sub> Receptor Modal Gating by Familial Alzheimer's Disease-Linked Presenilin Mutants in Human Cells and Mouse Neurons. <i>Science Signaling</i> , 2010, 3, ra22.	1.6	189
13	Identification of a family of calcium sensors as protein ligands of inositol trisphosphate receptor Ca <sup>2+</sup> release channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7711-7716.	3.3	180
14	Differentiation of the Chloride Extrusion Mechanism During Seawater Adaptation of A Teleost Fish, the Cichlid <i>Sarotherodon Mossambicus</i> . <i>Journal of Experimental Biology</i> , 1981, 93, 209-224.	0.8	180
15	Identification of the Erythrocyte Rh Blood Group Glycoprotein as a Mammalian Ammonium Transporter. <i>Journal of Biological Chemistry</i> , 2002, 277, 12499-12502.	1.6	168
16	Single-Channel Kinetics, Inactivation, and Spatial Distribution of Inositol Trisphosphate (IP <sub>3</sub> ) Receptors in <i>Xenopus</i> Oocyte Nucleus. <i>Journal of General Physiology</i> , 1997, 109, 571-587.	0.9	156
17	Apoptosis Protection by Mcl-1 and Bcl-2 Modulation of Inositol 1,4,5-Trisphosphate Receptor-dependent Ca <sup>2+</sup> Signaling. <i>Journal of Biological Chemistry</i> , 2010, 285, 13678-13684.	1.6	156
18	Apoptosis regulation by Bcl-x modulation of mammalian inositol 1,4,5-trisphosphate receptor channel isoform gating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12565-12570.	3.3	141

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19	CALHM3 Is Essential for Rapid Ion Channel-Mediated Purinergic Neurotransmission of GPCR-Mediated Tastes. <i>Neuron</i> , 2018, 98, 547-561.e10.	3.8	137
20	EMRE Is a Matrix Ca <sup>2+</sup> Sensor that Governs Gatekeeping of the Mitochondrial Ca <sup>2+</sup> Uniporter. <i>Cell Reports</i> , 2016, 14, 403-410.	2.9	134
21	Mutant (F508) Cystic Fibrosis Transmembrane Conductance Regulator Cl <sup>-</sup> Channel Is Functional When Retained in Endoplasmic Reticulum of Mammalian Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 12347-12350.	1.6	133
22	Calcium homeostasis modulator 1 (CALHM1) is the pore-forming subunit of an ion channel that mediates extracellular Ca <sup>2+</sup> regulation of neuronal excitability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1963-71.	3.3	132
23	Regulation by Ca <sup>2+</sup> and Inositol 1,4,5-Trisphosphate (Insp3) of Single Recombinant Type 3 Insp3 Receptor Channels. <i>Journal of General Physiology</i> , 2001, 117, 435-446.	0.9	131
24	Cystic Fibrosis Transmembrane Conductance Regulator-associated ATP Release Is Controlled by a Chloride Sensor. <i>Journal of Cell Biology</i> , 1998, 143, 645-657.	2.3	114
25	Mitochondrial Ca <sup>2+</sup> signals in autophagy. <i>Cell Calcium</i> , 2012, 52, 44-51.	1.1	108
26	Physiological modulation of CFTR activity by AMP-activated protein kinase in polarized T84 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C1297-C1308.	2.1	106
27	Regulation of Channel Gating by AMP-activated Protein Kinase Modulates Cystic Fibrosis Transmembrane Conductance Regulator Activity in Lung Submucosal Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 998-1004.	1.6	102
28	Structural and Functional Similarities of Calcium Homeostasis Modulator 1 (CALHM1) Ion Channel with Connexins, Pannexins, and Innexins*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6140-6153.	1.6	101
29	Characterization of ammonia transport by the kidney Rh glycoproteins RhBG and RhCG. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F297-F305.	1.3	99
30	LETM1-dependent mitochondrial Ca <sup>2+</sup> flux modulates cellular bioenergetics and proliferation. <i>FASEB Journal</i> , 2014, 28, 4936-4949.	0.2	99
31	Systematic Identification of MCU Modulators by Orthogonal Interspecies Chemical Screening. <i>Molecular Cell</i> , 2017, 67, 711-723.e7.	4.5	99
32	Suppression of InsP <sub>3</sub> Receptor-Mediated Ca <sup>2+</sup> Signaling Alleviates Mutant Presenilin-Linked Familial Alzheimer's Disease Pathogenesis. <i>Journal of Neuroscience</i> , 2014, 34, 6910-6923.	1.7	95
33	ATP Regulation of Type 1 Inositol 1,4,5-Trisphosphate Receptor Channel Gating by Allosteric Tuning of Ca <sup>2+</sup> Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 22231-22237.	1.6	92
34	The Proapoptotic Factors Bax and Bak Regulate T Cell Proliferation through Control of Endoplasmic Reticulum Ca <sup>2+</sup> Homeostasis. <i>Immunity</i> , 2007, 27, 268-280.	6.6	92
35	A kinase-regulated mechanism controls CFTR channel gating by disrupting bivalent PDZ domain interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9620-9625.	3.3	91
36	The mitochondrial Ca <sup>2+</sup> uniporter complex. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 78, 3-8.	0.9	90

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37	Assembly and Trafficking of a Multiprotein ROMK (Kir 1.1) Channel Complex by PDZ Interactions. <i>Journal of Biological Chemistry</i> , 2004, 279, 6863-6873.	1.6	86
38	A Kinetic Model of Single and Clustered IP <sub>3</sub> Receptors in the Absence of Ca <sup>2+</sup> Feedback. <i>Biophysical Journal</i> , 2007, 93, 1151-1162.	0.2	86
39	Phosphorylated K-Ras limits cell survival by blocking Bcl-xL sensitization of inositol trisphosphate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20593-20598.	3.3	86
40	A New Mode of Ca <sup>2+</sup> Signaling by G Protein-Coupled Receptors. <i>Current Biology</i> , 2003, 13, 872-876.	1.8	85
41	Cystic Fibrosis Transmembrane Conductance Regulator-associated ATP and Adenosine 3'-Phosphate 5'-Phosphosulfate Channels in Endoplasmic Reticulum and Plasma Membranes. <i>Journal of Biological Chemistry</i> , 1997, 272, 7746-7751.	1.6	82
42	Single-Channel Properties in Endoplasmic Reticulum Membrane of Recombinant Type 3 Inositol Trisphosphate Receptor. <i>Journal of General Physiology</i> , 2000, 115, 241-256.	0.9	81
43	Inositol trisphosphate receptor Ca <sup>2+</sup> release channels in neurological diseases. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 460, 481-494.	1.3	80
44	Lack of Evidence for Presenilins as Endoplasmic Reticulum Ca <sup>2+</sup> Leak Channels. <i>Journal of Biological Chemistry</i> , 2012, 287, 10933-10944.	1.6	80
45	Constitutive cAMP response element binding protein (CREB) activation by Alzheimer's disease presenilin-driven inositol trisphosphate receptor (InsP <sub>3</sub> R) Ca <sup>2+</sup> signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13293-13298.	3.3	79
46	Molecular Determinants of Ion Permeation and Selectivity in Inositol 1,4,5-Trisphosphate Receptor Ca <sup>2+</sup> Channels. <i>Journal of Biological Chemistry</i> , 2001, 276, 13509-13512.	1.6	78
47	Calcium homeostasis modulator (CALHM) ion channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 395-403.	1.3	76
48	Familial Alzheimer's disease-associated presenilin 1 mutants promote $\gamma$ -secretase cleavage of STIM1 to impair store-operated Ca <sup>2+</sup> entry. <i>Science Signaling</i> , 2016, 9, ra89.	1.6	75
49	cAMP-activated Ca <sup>2+</sup> signaling is required for CFTR-mediated serous cell fluid secretion in porcine and human airways. <i>Journal of Clinical Investigation</i> , 2010, 120, 3137-3148.	3.9	75
50	MICU2 Restricts Spatial Crosstalk between InsP <sub>3</sub> R and MCU Channels by Regulating Threshold and Gain of MICU1-Mediated Inhibition and Activation of MCU. <i>Cell Reports</i> , 2017, 21, 3141-3154.	2.9	73
51	CIC AND CFTR CHLORIDE CHANNEL GATING. <i>Annual Review of Physiology</i> , 1998, 60, 689-717.	5.6	71
52	MCUR1, CCDC90A, Is a Regulator of the Mitochondrial Calcium Uniporter. <i>Cell Metabolism</i> , 2015, 22, 533-535.	7.2	71
53	Taste transduction and channel synapses in taste buds. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 3-13.	1.3	70
54	AMP-activated protein kinase phosphorylation of the R domain inhibits PKA stimulation of CFTR. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C94-C101.	2.1	67

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55	How do taste cells lacking synapses mediate neurotransmission? $\text{CALHM1}$ , a voltage-gated $\text{ATP}$ channel. <i>BioEssays</i> , 2013, 35, 1111-1118.	1.2	66
56	Inositol 1,4,5-trisphosphate receptors in the endoplasmic reticulum: A single-channel point of view. <i>Cell Calcium</i> , 2015, 58, 67-78.	1.1	66
57	Phenotypic Abnormalities in Long-Term Surviving Cystic Fibrosis Mice. <i>Pediatric Research</i> , 1996, 40, 233-241.	1.1	66
58	Mechanisms of $\text{Ca}^{2+}$ -stimulated fluid secretion by porcine bronchial submucosal gland serous acinar cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 298, L210-L231.	1.3	60
59	Mode Switching Is the Major Mechanism of Ligand Regulation of $\text{InsP}_3$ Receptor Calcium Release Channels. <i>Journal of General Physiology</i> , 2007, 130, 631-645.	0.9	59
60	Rapid ligand-regulated gating kinetics of single inositol 1,4,5-trisphosphate receptor $\text{Ca}^{2+}$ release channels. <i>EMBO Reports</i> , 2007, 8, 1044-1051.	2.0	59
61	Graded recruitment and inactivation of single $\text{InsP}_3$ receptor $\text{Ca}^{2+}$ -release channels: implications for quartal $\text{Ca}^{2+}$ -release. <i>Journal of Physiology</i> , 2006, 573, 645-662.	1.3	57
62	Spontaneous Channel Activity of the Inositol 1,4,5-Trisphosphate ( $\text{InsP}_3$ ) Receptor ( $\text{InsP}_3\text{R}$ ). Application of Allosteric Modeling to Calcium and $\text{InsP}_3$ Regulation of $\text{InsP}_3\text{R}$ Single-channel Gating. <i>Journal of General Physiology</i> , 2003, 122, 583-603.	0.9	53
63	Mechanism of Genetic Complementation of Ammonium Transport in Yeast by Human Erythrocyte Rh-associated Glycoprotein. <i>Journal of Biological Chemistry</i> , 2004, 279, 17443-17448.	1.6	53
64	$\text{CIB1}$ , a Ubiquitously Expressed $\text{Ca}^{2+}$ -binding Protein Ligand of the $\text{InsP}_3$ Receptor $\text{Ca}^{2+}$ Release Channel. <i>Journal of Biological Chemistry</i> , 2006, 281, 20825-20833.	1.6	53
65	Effects of divalent cations on single-channel conduction properties of <i>Xenopus</i> $\text{IP}_3$ receptor. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C179-C188.	2.1	51
66	Single-Channel Recordings of Recombinant Inositol Trisphosphate Receptors in Mammalian Nuclear Envelope. <i>Biophysical Journal</i> , 2001, 81, 117-124.	0.2	51
67	Inhibition of $\text{TRPC5}$ channels by $\text{Ca}^{2+}$ -binding protein 1 in <i>Xenopus</i> oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2005, 450, 345-354.	1.3	50
68	Enhanced ROS Generation Mediated by Alzheimer's Disease Presenilin Regulation of $\text{InsP}_3\text{R}$ $\text{Ca}^{2+}$ Signaling. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1225-1235.	2.5	50
69	$\text{Ca}^{2+}$ signaling and fluid secretion by secretory cells of the airway epithelium. <i>Cell Calcium</i> , 2014, 55, 325-336.	1.1	50
70	Targeting hepatic glutaminase activity to ameliorate hyperglycemia. <i>Nature Medicine</i> , 2018, 24, 518-524.	15.2	50
71	Isosmotic modulation of cell volume and intracellular ion activities during stimulation of single exocrine cells. <i>The Journal of Experimental Zoology</i> , 1994, 268, 104-110.	1.4	49
72	Biphasic regulation of $\text{InsP}_3$ receptor gating by dual $\text{Ca}^{2+}$ release channel $\text{BH3}$ -like domains mediates $\text{Bcl-x}_L$ control of cell viability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1953-62.	3.3	47

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73	Translational Mobility of the Type 3 Inositol 1,4,5-Trisphosphate Receptor Ca <sup>2+</sup> Release Channel in Endoplasmic Reticulum Membrane. <i>Journal of Biological Chemistry</i> , 2005, 280, 3824-3831.	1.6	46
74	Atp-Dependent Adenophostin Activation of Inositol 1,4,5-Trisphosphate Receptor Channel Gating. <i>Journal of General Physiology</i> , 2001, 117, 299-314.	0.9	45
75	G Protein-Coupled Receptor Ca <sup>2+</sup> -Linked Mitochondrial Reactive Oxygen Species Are Essential for Endothelial/Leukocyte Adherence. <i>Molecular and Cellular Biology</i> , 2007, 27, 7582-7593.	1.1	45
76	Cancer cells with defective oxidative phosphorylation require endoplasmic reticulum-mitochondria Ca <sup>2+</sup> transfer for survival. <i>Science Signaling</i> , 2020, 13, .	1.6	45
77	Localization of ionic pathways in the teleost opercular membrane by extracellular recording with a vibrating probe. <i>Journal of Membrane Biology</i> , 1983, 75, 193-203.	1.0	44
78	Muscarinic Agonists Induce Phosphorylation-independent Activation of the NHE-1 Isoform of the Na <sup>+</sup> /H <sup>+</sup> Antiporter in Salivary Acinar Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 287-294.	1.6	43
79	Effects of epinephrine, glucagon and vasoactive intestinal polypeptide on chloride secretion by teleost opercular membrane. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1982, 146, 27-34.	0.7	42
80	AMPK supports growth in <i>Drosophila</i> by regulating muscle activity and nutrient uptake in the gut. <i>Developmental Biology</i> , 2010, 344, 293-303.	0.9	42
81	Unitary Ca <sup>2+</sup> current through recombinant type 3 InsP <sub>3</sub> receptor channels under physiological ionic conditions. <i>Journal of General Physiology</i> , 2010, 136, 687-700.	0.9	41
82	The Presenilin-2 Loop Peptide Perturbs Intracellular Ca <sup>2+</sup> Homeostasis and Accelerates Apoptosis. <i>Journal of Biological Chemistry</i> , 2006, 281, 16649-16655.	1.6	40
83	Atp Regulation of Recombinant Type 3 Inositol 1,4,5-Trisphosphate Receptor Gating. <i>Journal of General Physiology</i> , 2001, 117, 447-456.	0.9	39
84	Novel Regulation of Calcium Inhibition of the Inositol 1,4,5-trisphosphate Receptor Calcium-release Channel. <i>Journal of General Physiology</i> , 2003, 122, 569-581.	0.9	39
85	Salty Taste Deficits in CALHM1 Knockout Mice. <i>Chemical Senses</i> , 2014, 39, 515-528.	1.1	38
86	Coupled transmembrane mechanisms control MCU-mediated mitochondrial Ca <sup>2+</sup> uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21731-21739.	3.3	38
87	Vibrating probe analysis of teleost opercular epithelium: Correlation between active transport and leak pathways of individual chloride cells. <i>Journal of Membrane Biology</i> , 1985, 85, 25-35.	1.0	37
88	A Host GPCR Signaling Network Required for the Cytolysis of Infected Cells Facilitates Release of Apicomplexan Parasites. <i>Cell Host and Microbe</i> , 2013, 13, 15-28.	5.1	37
89	DANGER, a Novel Regulatory Protein of Inositol 1,4,5-Trisphosphate-Receptor Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 37111-37116.	1.6	36
90	High-Efficiency Transfer of Cystic Fibrosis Transmembrane Conductance Regulator cDNA into Cystic Fibrosis Airway Cells in Culture Using Lactosylated Polylysine as a Vector. <i>Human Gene Therapy</i> , 1999, 10, 615-622.	1.4	35

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91	CLHM-1 is a Functionally Conserved and Conditionally Toxic Ca <sup>2+</sup> -Permeable Ion Channel in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2013, 33, 12275-12286.	1.7	34
92	Calpain-cleaved Type 1 Inositol 1,4,5-Trisphosphate Receptor (InsP3R1) Has InsP3-independent Gating and Disrupts Intracellular Ca <sup>2+</sup> Homeostasis*. <i>Journal of Biological Chemistry</i> , 2011, 286, 35998-36010.	1.6	33
93	Analyzing and Quantifying the Gain-of-Function Enhancement of IP3 Receptor Gating by Familial Alzheimer's Disease-Causing Mutants in Presenilins. <i>PLoS Computational Biology</i> , 2015, 11, e1004529.	1.5	33
94	Calcium signaling induces a partial EMT. <i>EMBO Reports</i> , 2021, 22, e51872.	2.0	33
95	<i>Pseudomonas aeruginosa</i> Homoserine Lactone Activates Store-operated cAMP and Cystic Fibrosis Transmembrane Regulator-dependent Cl <sup>-</sup> Secretion by Human Airway Epithelia. <i>Journal of Biological Chemistry</i> , 2010, 285, 34850-34863.	1.6	31
96	Permeant calcium ion feed-through regulation of single inositol 1,4,5-trisphosphate receptor channel gating. <i>Journal of General Physiology</i> , 2012, 140, 697-716.	0.9	30
97	Optical imaging of Ca <sup>2+</sup> -evoked fluid secretion by murine nasal submucosal gland serous acinar cells. <i>Journal of Physiology</i> , 2007, 582, 1099-1124.	1.3	28
98	General Anesthetic Isoflurane Modulates Inositol 1,4,5-Trisphosphate Receptor Calcium Channel Opening. <i>Anesthesiology</i> , 2014, 121, 528-537.	1.3	27
99	CIB1 and CaBP1 bind to the myo1c regulatory domain. <i>Journal of Muscle Research and Cell Motility</i> , 2007, 28, 285-291.	0.9	26
100	Regulation of the mitochondrial Ca <sup>2+</sup> uniporter by MICU1 and MICU2. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 377-383.	1.0	26
101	Normal Taste Acceptance and Preference of PANX1 Knockout Mice. <i>Chemical Senses</i> , 2015, 40, 453-459.	1.1	26
102	Acute Regulation of Habituation Learning via Posttranslational Palmitoylation. <i>Current Biology</i> , 2020, 30, 2729-2738.e4.	1.8	26
103	Role of Binding and Nucleoside Diphosphate Kinase A in the Regulation of the Cystic Fibrosis Transmembrane Conductance Regulator by AMP-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2012, 287, 33389-33400.	1.6	25
104	HCO <sub>3</sub> <sup>-</sup> Secretion by Murine Nasal Submucosal Gland Serous Acinar Cells during Ca <sup>2+</sup> -stimulated Fluid Secretion. <i>Journal of General Physiology</i> , 2008, 132, 161-183.	0.9	23
105	Regulation of IP3R Channel Gating by Ca <sup>2+</sup> and Ca <sup>2+</sup> Binding Proteins. <i>Current Topics in Membranes</i> , 2010, 66, 235-272.	0.5	23
106	Patch-Clamp Electrophysiology of Intracellular Ca <sup>2+</sup> Channels. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.top066217.	0.2	22
107	Action potentials and ion conductances in wild-type and CALHM1-knockout type II taste cells. <i>Journal of Neurophysiology</i> , 2017, 117, 1865-1876.	0.9	22
108	Sodium Taste Cells Require <i>Skn-1a</i> for Generation and Share Molecular Features with Sweet, Umami, and Bitter Taste Cells. <i>ENeuro</i> , 2020, 7, ENEURO.0385-20.2020.	0.9	22

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109	The NH <sub>2</sub> terminus regulates voltage-dependent gating of CALHM ion channels. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C173-C186.	2.1	21
110	Variable Assembly of EMRE and MCU Creates Functional Channels with Distinct Gatekeeping Profiles. <i>IScience</i> , 2020, 23, 101037.	1.9	20
111	Why Mouse Airway Submucosal Gland Serous Cells Do Not Secrete Fluid in Response to cAMP Stimulation. <i>Journal of Biological Chemistry</i> , 2012, 287, 38316-38326.	1.6	19
112	ER-luminal [Ca <sup>2+</sup> ] regulation of InsP <sub>3</sub> receptor gating mediated by an ER-luminal peripheral Ca <sup>2+</sup> -binding protein. <i>ELife</i> , 2020, 9, .	2.8	19
113	Calpain-cleaved type 1 inositol 1,4,5-trisphosphate receptor impairs ER Ca <sup>2+</sup> buffering and causes neurodegeneration in primary cortical neurons. <i>Journal of Neurochemistry</i> , 2012, 123, 147-158.	2.1	18
114	HORMONAL CONTROL OF CHLORIDE SECRETION BY TELEOST OPERCULAR MEMBRANE. <i>Annals of the New York Academy of Sciences</i> , 1981, 372, 643-643.	1.8	17
115	Redox-Regulated Heterogeneous Thresholds for Ligand Recruitment among InsP <sub>3</sub> R Ca <sup>2+</sup> -Release Channels. <i>Biophysical Journal</i> , 2010, 99, 407-416.	0.2	17
116	Visualization of inositol 1,4,5-trisphosphate receptors on the nuclear envelope outer membrane by freeze-drying and rotary shadowing for electron microscopy. <i>Journal of Structural Biology</i> , 2010, 171, 372-381.	1.3	14
117	ZIP9 Is a Druggable Determinant of Sex Differences in Melanoma. <i>Cancer Research</i> , 2021, 81, 5991-6003.	0.4	14
118	Isolating Nuclei from Cultured Cells for Patch-Clamp Electrophysiology of Intracellular Ca <sup>2+</sup> Channels. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot073056.	0.2	13
119	Novel model of calcium and inositol 1,4,5-trisphosphate regulation of InsP <sub>3</sub> receptor channel gating in native endoplasmic reticulum. <i>Biological Research</i> , 2004, 37, 513-9.	1.5	12
120	Nuclear Patch-Clamp Electrophysiology of Ca <sup>2+</sup> Channels. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot073064.	0.2	11
121	Effect of the CALHM1 G330D and R154H Human Variants on the Control of Cytosolic Ca <sup>2+</sup> and A $\beta$ Levels. <i>PLoS ONE</i> , 2014, 9, e112484.	1.1	11
122	InsP <sub>3</sub> R, the calcium whisperer: Maintaining mitochondrial function in cancer. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1185563.	0.3	11
123	InsP <sub>3</sub> R channel gating altered by clustering?. <i>Nature</i> , 2011, 478, E1-E2.	13.7	10
124	[39] Scanning electrode localization of transport pathways in epithelial tissues. <i>Methods in Enzymology</i> , 1989, 171, 792-813.	0.4	9
125	Optical imaging of Cl <sup>-</sup> permeabilities in normal and CFTR-expressing mouse L cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1152, 83-90.	1.4	9
126	Suppression of Ca <sup>2+</sup> oscillations induced by cholecystokinin (CCK) and its analog OPE in rat pancreatic acinar cells by low-level protein kinase C activation without transition of the CCK receptor from a high- to low-affinity state. <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 427, 455-462.	1.3	8



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127	Structures of CALHM channels revealed. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 227-228.	3.6	8
128	Uncorking MCU to let the calcium flow. <i>Cell Calcium</i> , 2020, 91, 102257.	1.1	5
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