David L Prole

List of Publications by Year
in descending order

31 papers	1,706 citations	288859 22 h-index	466759 29 g-index
34 all docs	34 docs citations	34 times ranked	2854 citing authors

#	Article	IF	Citations
1	Visualizing, quantifying, and manipulating mitochondrial DNA in vivo. Journal of Biological Chemistry, 2020, 295, 17588-17601.	3.5	17
2	A genetically encoded toolkit of functionalized nanobodies against fluorescent proteins for visualizing and manipulating intracellular signalling. BMC Biology, 2019, 17, 41.	3.9	39
3	Structure and Function of IP₃Receptors. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035063.	5.4	126
4	Exploration of inositol 1,4,5-trisphosphate (IP3) regulated dynamics of N-terminal domain of IP3 receptor reveals early phase molecular events during receptor activation. Scientific Reports, 2019, 9, 2454.	3.4	8
5	Immobile IP3 Receptor Clusters: Building Blocks for IP3-Evoked Ca2+ Signals. Messenger (Los Angeles,) Tj ETQq1 1 0.784314 rgBT /Ov	0.1	0
6	IP3 Receptors Preferentially Associate with ER-Lysosome Contact Sites and Selectively Deliver Ca2+ to Lysosomes. Cell Reports, 2018, 25, 3180-3193.e7.	6.3	133
7	Cyclic AMP Recruits a Discrete Intracellular Ca 2+ Store by Unmasking Hypersensitive IP 3 Receptors. Cell Reports, 2017, 18, 711-722.	6.3	21
8	Ca 2+ Signals Originate from Immobile IP 3 Receptors at ER-PM Junctions. Biophysical Journal, 2017, 112, 484a.	0.5	0
9	Ca2+ signals initiate at immobile IP3 receptors adjacent to ER-plasma membrane junctions. Nature Communications, 2017, 8, 1505.	13.2	127
10	Inositol 1,4,5â€trisphosphate receptors and their protein partners as signalling hubs. Journal of Physiology, 2016, 594, 2849-2866.	2.9	125
11	Fluorescence methods for analysis of interactions between Ca2+ signaling, lysosomes, and endoplasmic reticulum. Methods in Cell Biology, 2015, 126, 237-259.	2.1	0
12	Golgi Anti-apoptotic Proteins Are Highly Conserved Ion Channels That Affect Apoptosis and Cell Migration. Journal of Biological Chemistry, 2015, 290, 11785-11801.	3.5	36
13	Preferential assembly of heteromeric small conductance calciumâ€activated potassium channels. European Journal of Neuroscience, 2015, 41, 305-315.	3.5	24
14	Red fluorescent genetically encoded Ca2+ indicators for use in mitochondria and endoplasmic reticulum. Biochemical Journal, 2014, 464, 13-22.	3.8	136
15	Structural organization of signalling to and from IP3 receptors. Biochemical Society Transactions, 2014, 42, 63-70.	3.4	36
16	Lysosomes shape Ins(1,4,5)<i>P</i>3-evoked Ca2+ signals by selectively sequestering Ca2+ released from the endoplasmic reticulum. Journal of Cell Science, 2013, 126, 289-300.	2.1	123
17	hGAAP promotes cell adhesion and migration via the stimulation of store-operated Ca2+ entry and calpain 2. Journal of Cell Biology, 2013, 202, 699-713.	5.2	60
18	Human and Viral Golgi Anti-apoptotic Proteins (GAAPs) Oligomerize via Different Mechanisms and Monomeric GAAP Inhibits Apoptosis and Modulates Calcium. Journal of Biological Chemistry, 2013, 288, 13057-13067.	3.5	32

#	Article	IF	Citations
19	A Bead Aggregation Assay for Detection of Low-Affinity Protein-Protein Interactions Reveals Interactions between N-Terminal Domains of Inositol 1,4,5-Trisphosphate Receptors. PLoS ONE, 2013, 8, e60609.	2.5	6
20	Identification and Analysis of Putative Homologues of Mechanosensitive Channels in Pathogenic Protozoa. PLoS ONE, 2013, 8, e66068.	2.5	60
21	Structural changes during HCN channel gating defined by high affinity metal bridges. Journal of General Physiology, 2012, 140, 279-291.	1.9	38
22	Analysis of IP3 receptors in and out of cells. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1214-1227.	2.5	15
23	Ca2+ Signalling by IP3 Receptors. Sub-Cellular Biochemistry, 2012, 59, 1-34.	0.0	13
24	Identification of Putative Potassium Channel Homologues in Pathogenic Protozoa. PLoS ONE, 2012, 7, e32264.	2.5	28
25	Identification and Analysis of Cation Channel Homologues in Human Pathogenic Fungi. PLoS ONE, 2012, 7, e42404.	2.5	29
26	Identification of Intracellular and Plasma Membrane Calcium Channel Homologues in Pathogenic Parasites. PLoS ONE, 2011, 6, e26218.	2.5	110
27	An NAADP-gated Two-pore Channel Targeted to the Plasma Membrane Uncouples Triggering from Amplifying Ca2+ Signals. Journal of Biological Chemistry, 2010, 285, 38511-38516.	3.5	156
28	Ca²⁺ Channels on the Move. Biochemistry, 2009, 48, 12062-12080.	2.6	39
29	Reversal of HCN Channel Voltage Dependence via Bridging of the S4â€“S5 Linker and Post-S6. Journal of General Physiology, 2006, 128, 273-282.	1.9	58
30	Ionic Permeation and Conduction Properties of Neuronal KCNQ2/KCNQ3 Potassium Channels. Biophysical Journal, 2004, 86, 1454-1469.	0.5	39
31	Mechanisms Underlying Modulation of Neuronal KCNQ2/KCNQ3 Potassium Channels by Extracellular Protons. Journal of General Physiology, 2003, 122, 775-793.	1.9	64