

David L Prole

List of Publications by Year in descending order

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31
papers

1,706
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288859

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29
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times ranked

2854
citing authors

#	ARTICLE	IF	CITATIONS
1	An NAADP-gated Two-pore Channel Targeted to the Plasma Membrane Uncouples Triggering from Amplifying Ca ²⁺ Signals. <i>Journal of Biological Chemistry</i> , 2010, 285, 38511-38516.	3.5	156
2	Red fluorescent genetically encoded Ca ²⁺ indicators for use in mitochondria and endoplasmic reticulum. <i>Biochemical Journal</i> , 2014, 464, 13-22.	3.8	136
3	IP ₃ Receptors Preferentially Associate with ER-Lysosome Contact Sites and Selectively Deliver Ca ²⁺ to Lysosomes. <i>Cell Reports</i> , 2018, 25, 3180-3193.e7.	6.3	133
4	Ca ²⁺ signals initiate at immobile IP ₃ receptors adjacent to ER-plasma membrane junctions. <i>Nature Communications</i> , 2017, 8, 1505.	13.2	127
5	Structure and Function of IP ₃ Receptors. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035063.	5.4	126
6	Inositol 1,4,5-trisphosphate receptors and their protein partners as signalling hubs. <i>Journal of Physiology</i> , 2016, 594, 2849-2866.	2.9	125
7	Lysosomes shape Ins(1,4,5)P ₃ -evoked Ca ²⁺ signals by selectively sequestering Ca ²⁺ released from the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2013, 126, 289-300.	2.1	123
8	Identification of Intracellular and Plasma Membrane Calcium Channel Homologues in Pathogenic Parasites. <i>PLoS ONE</i> , 2011, 6, e26218.	2.5	110
9	Mechanisms Underlying Modulation of Neuronal KCNQ2/KCNQ3 Potassium Channels by Extracellular Protons. <i>Journal of General Physiology</i> , 2003, 122, 775-793.	1.9	64
10	hGAAP promotes cell adhesion and migration via the stimulation of store-operated Ca ²⁺ entry and calpain 2. <i>Journal of Cell Biology</i> , 2013, 202, 699-713.	5.2	60
11	Identification and Analysis of Putative Homologues of Mechanosensitive Channels in Pathogenic Protozoa. <i>PLoS ONE</i> , 2013, 8, e66068.	2.5	60
12	Reversal of HCN Channel Voltage Dependence via Bridging of the S4-S5 Linker and Post-S6. <i>Journal of General Physiology</i> , 2006, 128, 273-282.	1.9	58
13	Ionic Permeation and Conduction Properties of Neuronal KCNQ2/KCNQ3 Potassium Channels. <i>Biophysical Journal</i> , 2004, 86, 1454-1469.	0.5	39
14	Ca ²⁺ Channels on the Move. <i>Biochemistry</i> , 2009, 48, 12062-12080.	2.6	39
15	A genetically encoded toolkit of functionalized nanobodies against fluorescent proteins for visualizing and manipulating intracellular signalling. <i>BMC Biology</i> , 2019, 17, 41.	3.9	39
16	Structural changes during HCN channel gating defined by high affinity metal bridges. <i>Journal of General Physiology</i> , 2012, 140, 279-291.	1.9	38
17	Structural organization of signalling to and from IP ₃ receptors. <i>Biochemical Society Transactions</i> , 2014, 42, 63-70.	3.4	36
18	Golgi Anti-apoptotic Proteins Are Highly Conserved Ion Channels That Affect Apoptosis and Cell Migration. <i>Journal of Biological Chemistry</i> , 2015, 290, 11785-11801.	3.5	36

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19	Human and Viral Golgi Anti-apoptotic Proteins (GAAPs) Oligomerize via Different Mechanisms and Monomeric GAAP Inhibits Apoptosis and Modulates Calcium. <i>Journal of Biological Chemistry</i> , 2013, 288, 13057-13067.	3.5	32
20	Identification and Analysis of Cation Channel Homologues in Human Pathogenic Fungi. <i>PLoS ONE</i> , 2012, 7, e42404.	2.5	29
21	Identification of Putative Potassium Channel Homologues in Pathogenic Protozoa. <i>PLoS ONE</i> , 2012, 7, e32264.	2.5	28
22	Preferential assembly of heteromeric small conductance calcium-activated potassium channels. <i>European Journal of Neuroscience</i> , 2015, 41, 305-315.	3.5	24
23	Cyclic AMP Recruits a Discrete Intracellular Ca ²⁺ Store by Unmasking Hypersensitive IP ₃ Receptors. <i>Cell Reports</i> , 2017, 18, 711-722.	6.3	21
24	Visualizing, quantifying, and manipulating mitochondrial DNA in vivo. <i>Journal of Biological Chemistry</i> , 2020, 295, 17588-17601.	3.5	17
25	Analysis of IP ₃ receptors in and out of cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1214-1227.	2.5	15
26	Ca ²⁺ Signalling by IP ₃ Receptors. <i>Sub-Cellular Biochemistry</i> , 2012, 59, 1-34.	0.0	13
27	Exploration of inositol 1,4,5-trisphosphate (IP ₃) regulated dynamics of N-terminal domain of IP ₃ receptor reveals early phase molecular events during receptor activation. <i>Scientific Reports</i> , 2019, 9, 2454.	3.4	8
28	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. <i>PLoS ONE</i> , 2013, 8, e60609.	2.5	6
29	Fluorescence methods for analysis of interactions between Ca ²⁺ signaling, lysosomes, and endoplasmic reticulum. <i>Methods in Cell Biology</i> , 2015, 126, 237-259.	2.1	0
30	Ca ²⁺ Signals Originate from Immobile IP ₃ Receptors at ER-PM Junctions. <i>Biophysical Journal</i> , 2017, 112, 484a.	0.5	0
31	Immobile IP ₃ Receptor Clusters: Building Blocks for IP ₃ -Evoked Ca ²⁺ Signals. <i>Messenger (Los Angeles)</i> Tj ETQq1 1 0.784314rgBT /O 0.1	0.1	0