Damian B Van Rossum

List of Publications by Year
in descending order

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49 papers	3,030 citations	218592 26 h-index	223716 46 g-index
53 all docs	53 docs citations	53 times ranked	3673 citing authors

#	Article	IF	Citations
1	A conformational switch driven by phosphorylation regulates the activity of the evolutionarily conserved SNARE Ykt6. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
2	Computational 3D histological phenotyping of whole zebrafish by X-ray histotomography. ELife, 2019, 8, .	2.8	79
3	Comparative analysis of fixation and embedding techniques for optimized histological preparation of zebrafish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2018, 208, 38-46.	1.3	51
4	Rigid Embedding of Fixed and Stained, Whole, Millimeter-Scale Specimens for Section-free 3D Histology by Micro-Computed Tomography. Journal of Visualized Experiments, 2018, , .	0.2	10
5	The S6 gate in regulatory Kv6 subunits restricts heteromeric K+ channel stoichiometry. Journal of General Physiology, 2018, 150, 1702-1721.	0.9	11
6	Synchrotron microCT imaging of soft tissue in juvenile zebrafish reveals retinotectal projections. , 2017, 10060, .		0
7	FKBP12 contributes to Î±-synuclein toxicity by regulating the calcineurin-dependent phosphoproteome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11313-E11322.	3.3	30
8	Identification of Respiratory Syncytial Virus Nonstructural Protein 2 Residues Essential for Exploitation of the Host Ubiquitin System and Inhibition of Innate Immune Responses. Journal of Virology, 2016, 90, 6453-6463.	1.5	18
9	Novel Molecular Interactions of Acylcarnitines and Fatty Acids with Myoglobin. Journal of Biological Chemistry, 2016, 291, 25133-25143.	1.6	23
10	Bilaterian Giant Ankyrins Have a Common Evolutionary Origin and Play a Conserved Role in Patterning the Axon Initial Segment. PLoS Genetics, 2016, 12, e1006457.	1.5	34
11	Bimodal regulation of an Elk subfamily K+ channel by phosphatidylinositol 4,5-bisphosphate. Journal of General Physiology, 2015, 146, 357-374.	0.9	18
12	Functional Characterization of Cnidarian HCN Channels Points to an Early Evolution of Ih. PLoS ONE, 2015, 10, e0142730.	1.1	16
13	Major diversification of voltage-gated K ⁺ channels occurred in ancestral parahoxozoans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1010-9.	3.3	26
14	The BRCA1 Tumor Suppressor Binds to Inositol 1,4,5-Trisphosphate Receptors to Stimulate Apoptotic Calcium Release. Journal of Biological Chemistry, 2015, 290, 7304-7313.	1.6	61
15	Molecular Dynamic Simulations Reveal the Structural Determinants of Fatty Acid Binding to Oxy-Myoglobin. PLoS ONE, 2015, 10, e0128496.	1.1	27
16	TRPV channel-mediated calcium transients in nociceptor neurons are dispensable for avoidance behaviour. Nature Communications, 2014, 5, 4734.	5.8	17
17	Functional evolution of Erg potassium channel gating reveals an ancient origin for I _{Kr}. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5712-5717.	3.3	44
18	Reevaluation of the evolutionary events within recA/RAD51 phylogeny. BMC Genomics, 2013, 14, 240.	1.2	24

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19	PHYRN: A Robust Method for Phylogenetic Analysis of Highly Divergent Sequences. PLoS ONE, 2012, 7, e34261.	1.1	15
20	Conserved GXXXG- and S/T-Like Motifs in the Transmembrane Domains of NS4B Protein Are Required for Hepatitis C Virus Replication. Journal of Virology, 2011, 85, 6464-6479.	1.5	24
21	Adaptive-BLAST: A User-defined Platform for the Study of Proteins. Journal of Integrated OMICS, 2011, 1, .	0.5	0
22	Adaptive GDDA-BLAST: Fast and Efficient Algorithm for Protein Sequence Embedding. PLoS ONE, 2010, 5, e13596.	1.1	1
23	Epac1 mediates protein kinase Aâ€“independent mechanism of forskolin-activated intestinal chloride secretion. Journal of General Physiology, 2010, 135, 43-58.	0.9	69
24	TRPC Channels in Pheromone Sensing. Vitamins and Hormones, 2010, 83, 197-213.	0.7	17
25	Phospholipase C-Î³ Binds Directly to the Na+/H+ Exchanger 3 and Is Required for Calcium Regulation of Exchange Activity. Journal of Biological Chemistry, 2009, 284, 19437-19444.	1.6	19
26	Phylogenetic profiles reveal structural/functional determinants of TRPC3 signal-sensing antennae. Communicative and Integrative Biology, 2009, 2, 133-137.	0.6	3
27	Glutamatergic regulation of serine racemase via reversal of PIP2 inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2921-2926.	3.3	60
28	PKC and PLA2: Probing the complexities of the calcium network. Cell Calcium, 2009, 45, 535-545.	1.1	39
29	The classification of a protein from its primary sequence using functional and structural-specific PSSMs in quantitative measurement. , 2009, , .		0
30	Phylogenetic Profiles Reveal Structural and Functional Determinants of Lipid-binding. Journal of Proteomics and Bioinformatics, 2009, 02, 139-149.	0.4	10
31	TRP_2, a Lipid/Trafficking Domain That Mediates Diacylglycerol-induced Vesicle Fusion. Journal of Biological Chemistry, 2008, 283, 34384-34392.	1.6	26
32	Phylogenetic profiles reveal evolutionary relationships within the â€œtwilight zoneâ€•of sequence similarity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13474-13479.	3.3	34
33	HSP90 regulates cell survival via inositol hexakisphosphate kinase-2. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1134-1139.	3.3	106
34	Ancient Origin of the New Developmental Superfamily DANGER. PLoS ONE, 2007, 2, e204.	1.1	16
35	Action of TFII-I Outside the Nucleus as an Inhibitor of Agonist-Induced Calcium Entry. Science, 2006, 314, 122-125.	6.0	96
36	DANGER, a Novel Regulatory Protein of Inositol 1,4,5-Trisphosphate-Receptor Activity. Journal of Biological Chemistry, 2006, 281, 37111-37116.	1.6	36

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37	Phospholipase CÎ³1 controls surface expression of TRPC3 through an intermolecular PH domain. Nature, 2005, 434, 99-104.	13.7	175
38	Phospholipase C-Î³: diverse roles in receptor-mediated calcium signaling. Trends in Biochemical Sciences, 2005, 30, 688-697.	3.7	105
39	Association of small ankyrin 1 with the sarcoplasmic reticulum. Molecular Membrane Biology, 2005, 22, 421-432.	2.0	31
40	A peptide inhibitor of cytochrome c/inositol 1,4,5-trisphosphate receptor binding blocks intrinsic and extrinsic cell death pathways. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1466-1471.	3.3	113
41	Inositol 1,4,5-trisphosphate receptor/GAPDH complex augments Ca2+ release via locally derived NADH. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1357-1359.	3.3	79
42	Agonist-induced Ca2+ entry determined by inositol 1,4,5-trisphosphate recognition. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2323-2327.	3.3	61
43	RACK1 binds to inositol 1,4,5-trisphosphate receptors and mediates Ca2+ release. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2328-2332.	3.3	98
44	Calcium entry mediated by SOCs and TRP channels: variations and enigma. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 9-20.	1.9	91
45	Obscurin Is a Ligand for Small Ankyrin 1 in Skeletal Muscle. Molecular Biology of the Cell, 2003, 14, 1138-1148.	0.9	171
46	Phospholipase C-Î³ Is Required for Agonist-Induced Ca2+ Entry. Cell, 2002, 111, 529-541.	13.5	175
47	The cellular and molecular basis of store-operated calcium entry. Nature Cell Biology, 2002, 4, E263-E272.	4.6	336
48	Ca2+ Entry Mediated by Store Depletion,S-Nitrosylation, and TRP3 Channels. Journal of Biological Chemistry, 2000, 275, 28562-28568.	1.6	113
49	Store-Operated Ca2+ Entry. Cell, 1999, 98, 487-499.	13.5	408