Rory R Duncan

List of Publications by Year
in descending order

52 papers	2,638 citations	236925 25 h-index	189892 50 g-index
55 all docs	55 docs citations	55 times ranked	4314 citing authors

#	Article	IF	Citations
1	Rapid Formation of a Supramolecular Polypeptideâ€“DNA Hydrogel for Inâ€…Situ Threeâ€Dimensional Multilayer Bioprinting. Angewandte Chemie - International Edition, 2015, 54, 3957-3961.	13.8	344
2	Glyoxal as an alternative fixative to formaldehyde in immunostaining and superâ€resolution microscopy. EMBO Journal, 2018, 37, 139-159.	7.8	206
3	Functional and spatial segregation of secretory vesicle pools according to vesicle age. Nature, 2003, 422, 176-180.	27.8	198
4	Alternative Splicing Switches Potassium Channel Sensitivity to Protein Phosphorylation. Journal of Biological Chemistry, 2001, 276, 7717-7720.	3.4	189
5	SAF-A Regulates Interphase Chromosome Structure through Oligomerization with Chromatin-Associated RNAs. Cell, 2017, 169, 1214-1227.e18.	28.9	166
6	Specific Targeting of Pro-Death NMDA Receptor Signals with Differing Reliance on the NR2B PDZ Ligand. Journal of Neuroscience, 2008, 28, 10696-10710.	3.6	146
7	Functionally and Spatially Distinct Modes of munc18-Syntaxin 1 Interaction. Journal of Biological Chemistry, 2007, 282, 12097-12103.	3.4	115
8	Rat Brain p64H1, Expression of a New Member of the p64 Chloride Channel Protein Family in Endoplasmic Reticulum. Journal of Biological Chemistry, 1997, 272, 23880-23886.	3.4	103
9	Munc18-1 prevents the formation of ectopic SNARE complexes in living cells. Journal of Cell Science, 2007, 120, 4407-4415.	2.0	77
10	Seeing beyond the limit: A guide to choosing the right super-resolution microscopy technique. Journal of Biological Chemistry, 2021, 297, 100791.	3.4	68
11	Molecular Components of Large Conductance Calcium-Activated Potassium (BK) Channels in Mouse Pituitary Corticotropes. Molecular Endocrinology, 1999, 13, 1728-1737.	3.7	66
12	A $256imes256$, 100-kfps, 61% Fill-Factor SPAD Image Sensor for Time-Resolved Microscopy Applications. IEEE Transactions on Electron Devices, 2018, 65, 547-554.	3.0	63
13	Spatially Segregated SNARE Protein Interactions in Living Fungal Cells. Journal of Biological Chemistry, 2007, 282, 22775-22785.	3.4	60
14	t-SNARE Protein Conformations Patterned by the Lipid Microenvironment. Journal of Biological Chemistry, 2010, 285, 13535-13541.	3.4	60
15	An endochitinase A from Vibrio carchariae: cloning, expression, mass and sequence analyses, and chitin hydrolysis. Archives of Biochemistry and Biophysics, 2004, 424, 171-180.	3.0	58
16	Transient, Phorbol Ester-induced DOC2-Munc13 Interactions in Vivo. Journal of Biological Chemistry, 1999, 274, 27347-27350.	3.4	55
17	S-nitrosylation of syntaxin 1 at Cys145 is a regulatory switch controlling Munc18-1 binding. Biochemical Journal, 2008, 413, 479-491.	3.7	55
18	Munc18/Syntaxin Interaction Kinetics Control Secretory Vesicle Dynamics. Journal of Biological Chemistry, 2010, 285, 3965-3972.	3.4	50

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19	Double C2 protein. A review1present address: Department of Physiology and Biophysics, Keck School of Medicine, 1333 San Pablo St., MMR626, Los Angeles, CA 90089-9142, USA. Biochimie, 2000, 82, 421-426.	2.6	47
20	Cylindrical microlensing for enhanced collection efficiency of small pixel SPAD arrays in single-molecule localisation microscopy. Optics Express, 2018, 26, 2280.	3.4	37
21	Tryptophan and Non-Tryptophan Fluorescence of the Eye Lens Proteins Provides Diagnostics of Cataract at the Molecular Level. Scientific Reports, 2017, 7, 40375.	3.3	32
22	A molecular toggle after exocytosis sequesters the presynaptic syntaxin1a molecules involved in prior vesicle fusion. Nature Communications, 2014, 5, 5774.	12.8	30
23	Secretory Vesicles Are Preferentially Targeted to Areas of Low Molecular SNARE Density. PLoS ONE, 2012, 7, e49514.	2.5	30
24	Fluorescence lifetime imaging microscopy (FLIM) to quantify proteinâ€“protein interactions inside cells. Biochemical Society Transactions, 2006, 34, 679-682.	3.4	29
25	A VPS33A-binding motif on syntaxin 17 controls autophagy completion in mammalian cells. Journal of Biological Chemistry, 2019, 294, 4188-4201.	3.4	26
26	High-efficiency Semliki Forest virus-mediated transduction in bovine adrenal chromaffin cells. Biochemical Journal, 1999, 342, 497-501.	3.7	24
27	Smart-aggregation imaging for single molecule localisation with SPAD cameras. Scientific Reports, 2016, 6, 37349.	3.3	23
28	Identification and characterisation of a homologue of p64 in rat tissues. FEBS Letters, 1996, 390, 207-210.	2.8	22
29	Munc18-1 Protein Molecules Move between Membrane Molecular Depots Distinct from Vesicle Docking Sites. Journal of Biological Chemistry, 2013, 288, 5102-5113.	3.4	19
30	Automated single particle detection and tracking for large microscopy datasets. Royal Society Open Science, 2016, 3, 160225.	2.4	19
31	Red, yellow, green go! â€“ a novel tool for microscopic segregation of secretory vesicle pools according to their age. Biochemical Society Transactions, 2003, 31, 851-856.	3.4	16
32	Time-correlated single photon counting FLIM: Some considerations for physiologists. Microscopy Research and Technique, 2007, 70, 420-425.	2.2	12
33	The t-SNARE Complex: A Close Up. Cellular and Molecular Neurobiology, 2010, 30, 1321-1326.	3.3	12
34	A Catchâ€andâ€Release Approach to Selective Modification of Accessible Tyrosine Residues. ChemBioChem, 2018, 19, 2443-2447.	2.6	12
35	Munc18-1 and Syntaxin1: Unraveling the Interactions Between the Dynamic Duo. Cellular and Molecular Neurobiology, 2010, 30, 1309-1313.	3.3	11
36	Vesicle Fusion Probability Is Determined by the Specific Interactions of Munc18. Journal of Biological Chemistry, 2010, 285, 38141-38148.	3.4	10

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37	EnLightenment: High resolution smartphone microscopy as an educational and public engagement platform. Wellcome Open Research, 2018, 2, 107.	1.8	10
38	High fidelity fibre-based physiological sensing deep in tissue. Scientific Reports, 2019, 9, 7713.	3.3	10
39	Imaging Large Cohorts of Single Ion Channels and Their Activity. Frontiers in Endocrinology, 2013, 4, 114.	3.5	9
40	A Role for the Autophagic Receptor, SQSTM1/p62, in Trafficking NF-ÎºB/RelA to Nucleolar Aggresomes. Molecular Cancer Research, 2021, 19, 274-287.	3.4	9
41	Exocytosis Studies in a Chromaffin Cellâ€Free System. Annals of the New York Academy of Sciences, 2002, 971, 257-261.	3.8	8
42	SWAP70 undergoes dynamic conformational regulation at the leading edge of migrating cells. FEBS Letters, 2019, 593, 395-405.	2.8	6
43	EnLightenment: High resolution smartphone microscopy as an educational and public engagement platform. Wellcome Open Research, 0, 2, 107.	1.8	6
44	In vivo FLIM-FRET measurements of recombinant proteins expressed in filamentous fungi. Fungal Biology Reviews, 2009, 23, 67-71.	4.7	5
45	Translation Microscopy (TRAM) for super-resolution imaging. Scientific Reports, 2016, 6, 19993.	3.3	5
46	Navigation through the Plasma Membrane Molecular Landscape Shapes Random Organelle Movement. Current Biology, 2017, 27, 408-414.	3.9	5
47	High-efficiency Semliki Forest virus-mediated transduction in bovine adrenal chromaffin cells. Biochemical Journal, 1999, 342, 497.	3.7	5
48	Is double C2 protein (DOC2) expressed in bovine adrenal medulla? A commercial anti-DOC2 monoclonal antibody recognizes a major bovine mitochondrial antigen. Biochemical Journal, 2000, 351, 33-37.	3.7	4
49	Efficacy of Semliki Forest Virus Transduction of Bovine Adrenal Chromaffin Cells. Annals of the New York Academy of Sciences, 2002, 971, 641-646.	3.8	3
50	Is double C2 protein (DOC2) expressed in bovine adrenal medulla? A commercial anti-DOC2 monoclonal antibody recognizes a major bovine mitochondrial antigen. Biochemical Journal, 2000, 351, 33.	3.7	2
51	Bimodal dynamics of granular organelles in primary renin-expressing cells revealed using TIRF microscopy. American Journal of Physiology - Renal Physiology, 2017, 312, F200-F209.	2.7	2
52	The Lifecycle of Secretory Vesicles: Implications for Dendritic Transmitter Release. , 2005, , 35-53.		0