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	A Role for the Autophagic Receptor, SQSTM1/p62, in Trafficking NF-Î°B/RelA to Nucleolar Aggresomes. Molecular Cancer Research, 2021, 19, 274-287.	3.4	9
2	Seeing beyond the limit: A guide to choosing the right super-resolution microscopy technique. Journal of Biological Chemistry, 2021, 297, 100791.	3.4	68
3	High fidelity fibre-based physiological sensing deep in tissue. Scientific Reports, 2019, 9, 7713.	3.3	10
4	A VPS33A-binding motif on syntaxin 17 controls autophagy completion in mammalian cells. Journal of Biological Chemistry, 2019, 294, 4188-4201.	3.4	26
5	SWAP70 undergoes dynamic conformational regulation at the leading edge of migrating cells. FEBS Letters, 2019, 593, 395-405.	2.8	6
6	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
7	Glyoxal as an alternative fixative to formaldehyde in immunostaining and superâ€resolution microscopy. EMBO Journal, 2018, 37, 139-159.	7.8	206
8	EnLightenment: High resolution smartphone microscopy as an educational and public engagement platform. Wellcome Open Research, 2018, 2, 107.	1.8	10
9	A Catchâ€andâ€Release Approach to Selective Modification of Accessible Tyrosine Residues. ChemBioChem, 2018, 19, 2443-2447.	2.6	12
10	Cylindrical microlensing for enhanced collection efficiency of small pixel SPAD arrays in single-molecule localisation microscopy. Optics Express, 2018, 26, 2280.	3.4	37
11	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
12	Navigation through the Plasma Membrane Molecular Landscape Shapes Random Organelle Movement. Current Biology, 2017, 27, 408-414.	3.9	5
13	SAF-A Regulates Interphase Chromosome Structure through Oligomerization with Chromatin-Associated RNAs. Cell, 2017, 169, 1214-1227.e18.	28.9	166
14	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
15	Automated single particle detection and tracking for large microscopy datasets. Royal Society Open Science, 2016, 3, 160225.	2.4	19
16	Smart-aggregation imaging for single molecule localisation with SPAD cameras. Scientific Reports, 2016, 6, 37349.	3.3	23
17	Translation Microscopy (TRAM) for super-resolution imaging. Scientific Reports, 2016, 6, 19993.	3.3	5
18	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

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19	A molecular toggle after exocytosis sequesters the presynaptic syntaxin1a molecules involved in prior vesicle fusion. Nature Communications, 2014, 5, 5774.	12.8	30
20	Imaging Large Cohorts of Single Ion Channels and Their Activity. Frontiers in Endocrinology, 2013, 4, 114.	3.5	9
21	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
22	Secretory Vesicles Are Preferentially Targeted to Areas of Low Molecular SNARE Density. PLoS ONE, 2012, 7, e49514.	2.5	30
23	Munc18-1 and Syntaxin1: Unraveling the Interactions Between the Dynamic Duo. Cellular and Molecular Neurobiology, 2010, 30, 1309-1313.	3.3	11
24	The t-SNARE Complex: A Close Up. Cellular and Molecular Neurobiology, 2010, 30, 1321-1326.	3.3	12
25	Vesicle Fusion Probability Is Determined by the Specific Interactions of Munc18. Journal of Biological Chemistry, 2010, 285, 38141-38148.	3.4	10
26	Munc18/Syntaxin Interaction Kinetics Control Secretory Vesicle Dynamics. Journal of Biological Chemistry, 2010, 285, 3965-3972.	3.4	50
27	t-SNARE Protein Conformations Patterned by the Lipid Microenvironment. Journal of Biological Chemistry, 2010, 285, 13535-13541.	3.4	60
28	In vivo FLIM-FRET measurements of recombinant proteins expressed in filamentous fungi. Fungal Biology Reviews, 2009, 23, 67-71.	4.7	5
29	S-nitrosylation of syntaxin 1 at Cys145 is a regulatory switch controlling Munc18-1 binding. Biochemical Journal, 2008, 413, 479-491.	3.7	55
30	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
31	Spatially Segregated SNARE Protein Interactions in Living Fungal Cells. Journal of Biological Chemistry, 2007, 282, 22775-22785.	3.4	60
32	Munc18-1 prevents the formation of ectopic SNARE complexes in living cells. Journal of Cell Science, 2007, 120, 4407-4415.	2.0	77
33	Functionally and Spatially Distinct Modes of munc18-Syntaxin 1 Interaction. Journal of Biological Chemistry, 2007, 282, 12097-12103.	3.4	115
34	Time-correlated single photon counting FLIM: Some considerations for physiologists. Microscopy Research and Technique, 2007, 70, 420-425.	2.2	12
35	Fluorescence lifetime imaging microscopy (FLIM) to quantify proteinâ€"protein interactions inside cells. Biochemical Society Transactions, 2006, 34, 679-682.	3.4	29
36	The Lifecycle of Secretory Vesicles: Implications for Dendritic Transmitter Release. , 2005, , 35-53.		0

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37	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
38	Functional and spatial segregation of secretory vesicle pools according to vesicle age. Nature, 2003, 422, 176-180.	27.8	198
39	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
40	Exocytosis Studies in a Chromaffin Cellâ€Free System. Annals of the New York Academy of Sciences, 2002, 971, 257-261.	3.8	8
41	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
42	Alternative Splicing Switches Potassium Channel Sensitivity to Protein Phosphorylation. Journal of Biological Chemistry, 2001, 276, 7717-7720.	3.4	189
43	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
44	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
45	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
46	Molecular Components of Large Conductance Calcium-Activated Potassium (BK) Channels in Mouse Pituitary Corticotropes. Molecular Endocrinology, 1999, 13, 1728-1737.	3.7	66
47	Transient, Phorbol Ester-induced DOC2-Munc13 Interactions in Vivo. Journal of Biological Chemistry, 1999, 274, 27347-27350.	3.4	55
48	High-efficiency Semliki Forest virus-mediated transduction in bovine adrenal chromaffin cells. Biochemical Journal, 1999, 342, 497-501.	3.7	24
49	High-efficiency Semliki Forest virus-mediated transduction in bovine adrenal chromaffin cells. Biochemical Journal, 1999, 342, 497.	3.7	5
50	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
51	Identification and characterisation of a homologue of p64 in rat tissues. FEBS Letters, 1996, 390, 207-210.	2.8	22
52	EnLightenment: High resolution smartphone microscopy as an educational and public engagement platform. Wellcome Open Research, 0, 2, 107.	1.8	6