

Graeme Ball

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,036
citations

394421

19
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

4025
citing authors

#	ARTICLE	IF	CITATIONS
1	Basal Mitophagy Occurs Independently of PINK1 in Mouse Tissues of High Metabolic Demand. <i>Cell Metabolism</i> , 2018, 27, 439-449.e5.	16.2	439
2	Strategic and practical guidelines for successful structured illumination microscopy. <i>Nature Protocols</i> , 2017, 12, 988-1010.	12.0	258
3	SIMcheck: a Toolbox for Successful Super-resolution Structured Illumination Microscopy. <i>Scientific Reports</i> , 2015, 5, 15915.	3.3	250
4	RecA bundles mediate homology pairing between distant sisters during DNA break repair. <i>Nature</i> , 2014, 506, 249-253.	27.8	174
5	A PAR-1-dependent orientation gradient of dynamic microtubules directs posterior cargo transport in the <i>Drosophila</i> oocyte. <i>Journal of Cell Biology</i> , 2011, 194, 121-135.	5.2	107
6	Replication and segregation of an <i>Escherichia coli</i> chromosome with two replication origins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E243-50.	7.1	84
7	Phosphorylation of Parkin at serine 65 is essential for its activation <i>in vivo</i> . <i>Open Biology</i> , 2018, 8, 180108.	3.6	81
8	A Human iPSC-derived 3D platform using primary brain cancer cells to study drug development and personalized medicine. <i>Scientific Reports</i> , 2019, 9, 1407.	3.3	61
9	Pharmacological rescue of impaired mitophagy in Parkinson's disease-related LRRK2 G2019S knock-in mice. <i>ELife</i> , 2021, 10, .	6.0	57
10	A comparative map of macroautophagy and mitophagy in the vertebrate eye. <i>Autophagy</i> , 2019, 15, 1296-1308.	9.1	53
11	Semi-automated quantitation of mitophagy in cells and tissues. <i>Mechanisms of Ageing and Development</i> , 2020, 185, 111196.	4.6	52
12	Human C4b-binding Protein, Structural Basis for Interaction with Streptococcal M Protein, a Major Bacterial Virulence Factor. <i>Journal of Biological Chemistry</i> , 2006, 281, 3690-3697.	3.4	50
13	An adaptive non-local means filter for denoising live-cell images and improving particle detection. <i>Journal of Structural Biology</i> , 2010, 172, 233-243.	2.8	47
14	Solution structure of a functionally active fragment of decay-accelerating factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4718-4723.	7.1	46
15	Syncrin/hnRNP Q influences synaptic transmission and regulates BMP signaling at the <i>Drosophila</i> neuromuscular synapse. <i>Biology Open</i> , 2014, 3, 839-849.	1.2	30
16	Transcription factors NRF2 and HSF1 have opposing functions in autophagy. <i>Scientific Reports</i> , 2017, 7, 11023.	3.3	29
17	FAM83D directs protein kinase CK1 to the mitotic spindle for proper spindle positioning. <i>EMBO Reports</i> , 2019, 20, e47495.	4.5	28
18	Solution Structure of a Repeated Unit of the ABA-1 Nematode Polyprotein Allergen of <i>Ascaris</i> Reveals a Novel Fold and Two Discrete Lipid-Binding Sites. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1040.	3.0	26

#	ARTICLE	IF	CITATIONS
19	BIAFLOWS: A Collaborative Framework to Reproducibly Deploy and Benchmark Bioimage Analysis Workflows. <i>Patterns</i> , 2020, 1, 100040.	5.9	25
20	<i>In Vivo</i> Imaging of the Segregation of the 2 Chromosomes and the Cell Division Proteins of <i>Rhodobacter sphaeroides</i> Reveals an Unexpected Role for MipZ. <i>MBio</i> , 2019, 10, .	4.1	24
21	Regulation of membrane ruffling by polarized STIM1 and ORAI1 in cortactin-rich domains. <i>Scientific Reports</i> , 2017, 7, 383.	3.3	23
22	A Cell Biologist's Guide to High Resolution Imaging. <i>Methods in Enzymology</i> , 2012, 504, 29-55.	1.0	22
23	Founder cell configuration drives competitive outcome within colony biofilms. <i>ISME Journal</i> , 2022, 16, 1512-1522.	9.8	20
24	Measurement of one-bond $^{13}\text{C}\text{--}^1\text{H}$ residual dipolar coupling constants in proteins by selective manipulation of ^{13}C spins. <i>Journal of Magnetic Resonance</i> , 2006, 180, 127-136.	2.1	15
25	High resolution imaging reveals heterogeneity in chromatin states between cells that is not inherited through cell division. <i>BMC Cell Biology</i> , 2016, 17, 33.	3.0	14
26	ParticleStats: open source software for the analysis of particle motility and cytoskeletal polarity. <i>Nucleic Acids Research</i> , 2010, 38, W641-W646.	14.5	7
27	Novel Confocal-Laser-Scanning-Microscopy and conventional measures investigating eroded dentine following dentifrice dab-on and brushing abrasion. <i>Heliyon</i> , 2020, 6, e03282.	3.2	3
28	A Multidisciplinary Approach to RNA Localisation. , 2012, , 213-233.		0
29	A 2D+t Feature-preserving Non-local Means Filter for Image Denoising and Improved Detection of Small and Weak Particles. , 2010, , .		0