

Linhao Ruan

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,229
citations

236925

25
h-index

233421

45
g-index

53
all docs

53
docs citations

53
times ranked

5936
citing authors

#	ARTICLE	IF	CITATIONS
1	The road to maturation: somatic cell interaction and self-organization of the mammalian oocyte. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 141-152.	37.0	398
2	Cytosolic proteostasis through importing of misfolded proteins into mitochondria. <i>Nature</i> , 2017, 543, 443-446.	27.8	363
3	The Arp2/3 complex is required for lamellipodia extension and directional fibroblast cell migration. <i>Journal of Cell Biology</i> , 2012, 197, 239-251.	5.2	291
4	Organelle-Based Aggregation and Retention of Damaged Proteins in Asymmetrically Dividing Cells. <i>Cell</i> , 2014, 159, 530-542.	28.9	209
5	Genetic predisposition to mosaic Y chromosome loss in blood. <i>Nature</i> , 2019, 575, 652-657.	27.8	198
6	Innate control of actin nucleation determines two distinct migration behaviours in dendritic cells. <i>Nature Cell Biology</i> , 2016, 18, 43-53.	10.3	184
7	Cellular Stress Associated with Aneuploidy. <i>Developmental Cell</i> , 2018, 44, 420-431.	7.0	149
8	Symmetry Breaking in Biology. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a003475-a003475.	5.5	118
9	Targeting the Adaptability of Heterogeneous Aneuploids. <i>Cell</i> , 2015, 160, 771-784.	28.9	115
10	Overcoming Wnt β -catenin dependent anticancer therapy resistance in leukaemia stem cells. <i>Nature Cell Biology</i> , 2020, 22, 689-700.	10.3	89
11	Function and regulation of the Arp2/3 complex during cell migration in diverse environments. <i>Current Opinion in Cell Biology</i> , 2016, 42, 63-72.	5.4	85
12	Nanoscale architecture of the <i>Schizosaccharomyces pombe</i> contractile ring. <i>ELife</i> , 2017, 6, .	6.0	76
13	Genome architecture and stability in the <i>Saccharomyces cerevisiae</i> knockout collection. <i>Nature</i> , 2019, 573, 416-420.	27.8	72
14	Non-uniform membrane diffusion enables steady-state cell polarization via vesicular trafficking. <i>Nature Communications</i> , 2013, 4, 1380.	12.8	68
15	Hypo-osmotic-like stress underlies general cellular defects of aneuploidy. <i>Nature</i> , 2019, 570, 117-121.	27.8	66
16	The Art of Choreographing Asymmetric Cell Division. <i>Developmental Cell</i> , 2013, 25, 439-450.	7.0	60
17	Mechanisms of invasion and motility of high-grade gliomas in the brain. <i>Molecular Biology of the Cell</i> , 2018, 29, 2509-2515.	2.1	51
18	Mitochondria-Associated Proteostasis. <i>Annual Review of Biophysics</i> , 2020, 49, 41-67.	10.0	49

#	ARTICLE	IF	CITATIONS
19	Vascular surveillance by haptotactic blood platelets in inflammation and infection. <i>Nature Communications</i> , 2020, 11, 5778.	12.8	48
20	Transcriptome analysis of tetraploid cells identifies cyclin D2 as a facilitator of adaptation to genome doubling in the presence of p53. <i>Molecular Biology of the Cell</i> , 2016, 27, 3065-3084.	2.1	46
21	Dynamic organelle distribution initiates actin-based spindle migration in mouse oocytes. <i>Nature Communications</i> , 2020, 11, 277.	12.8	44
22	A mechanism of leading-edge protrusion in the absence of Arp2/3 complex. <i>Molecular Biology of the Cell</i> , 2015, 26, 901-912.	2.1	43
23	Asymmetrically inherited multidrug resistance transporters are recessive determinants in cellular replicative ageing. <i>Nature Cell Biology</i> , 2010, 12, 799-805.	10.3	42
24	Crucial roles of the Arp2/3 complex during mammalian corticogenesis. <i>Development (Cambridge)</i> , 2016, 143, 2741-52.	2.5	33
25	ARP2/3 complex is required for directional migration of neural stem cell-derived oligodendrocyte precursors in electric fields. <i>Stem Cell Research and Therapy</i> , 2015, 6, 41.	5.5	31
26	Ran GTP and importin β regulate meiosis I spindle assembly and function in mouse oocytes. <i>EMBO Journal</i> , 2020, 39, e101689.	7.8	31
27	Symmetry breaking in hydrodynamic forces drives meiotic spindle rotation in mammalian oocytes. <i>Science Advances</i> , 2020, 6, eaaz5004.	10.3	29
28	Molecular components and polarity of radial glial cells during cerebral cortex development. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1027-1041.	5.4	26
29	Single-Cell Based Quantitative Assay of Chromosome Transmission Fidelity. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1043-1056.	1.8	24
30	On the role of p53 in the cellular response to aneuploidy. <i>Cell Reports</i> , 2021, 34, 108892.	6.4	24
31	Nano-scale actin-network characterization of fibroblast cells lacking functional Arp2/3 complex. <i>Journal of Structural Biology</i> , 2017, 197, 312-321.	2.8	21
32	Sphingolipids facilitate age asymmetry of membrane proteins in dividing yeast cells. <i>Molecular Biology of the Cell</i> , 2017, 28, 2712-2722.	2.1	21
33	Recent insights into the cellular and molecular determinants of aging. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	21
34	Aneuploidy as a cause of impaired chromatin silencing and mating-type specification in budding yeast. <i>ELife</i> , 2017, 6, .	6.0	18
35	Emerging roles for sphingolipids in cellular aging. <i>Current Genetics</i> , 2018, 64, 761-767.	1.7	13
36	Karyotyping human and mouse cells using probes from single-sorted chromosomes and open source software. <i>BioTechniques</i> , 2015, 59, 335-346.	1.8	12

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37	Robustness and evolvability of heterogeneous cell populations. <i>Molecular Biology of the Cell</i> , 2018, 29, 1400-1409.	2.1	11
38	Dopamine receptor antagonists as potential therapeutic agents for ADPKD. <i>PLoS ONE</i> , 2019, 14, e0216220.	2.5	9
39	Solid-phase inclusion as a mechanism for regulating unfolded proteins in the mitochondrial matrix. <i>Science Advances</i> , 2020, 6, eabc7288.	10.3	9
40	Three-dimensional reconstructions of actin filaments capped by Arp2/3 complex. <i>European Journal of Cell Biology</i> , 2014, 93, 179-183.	3.6	8
41	Microscale pressure measurements based on an immiscible fluid/fluid interface. <i>Scientific Reports</i> , 2019, 9, 20044.	3.3	6
42	ModuleRole: A Tool for Modulization, Role Determination and Visualization in Protein-Protein Interaction Networks. <i>PLoS ONE</i> , 2014, 9, e94608.	2.5	5
43	Life History: Mother-Specific Proteins that Promote Aging. <i>Current Biology</i> , 2014, 24, R1162-R1164.	3.9	3
44	Colonic epithelial adaptation to EGFR-independent growth induces chromosomal instability and is accelerated by prior injury. <i>Neoplasia</i> , 2021, 23, 488-501.	5.3	3
45	A case of convergent-gene interference in the budding yeast knockout library causing chromosome instability. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	2
46	Complex interplay between p53 and chromosome stability. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1938479.	0.7	1
47	Molecular Characterization of Leading Edge Protrusions in the Absence of Arp2/3 Complex. <i>Microscopy and Microanalysis</i> , 2015, 21, 1283-1284.	0.4	0
48	The actin seed. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 68-68.	37.0	0
49	I am an American scientist of the world. <i>Molecular Biology of the Cell</i> , 2019, 30, 2865-2866.	2.1	0
50	Crucial roles of the Arp2/3 complex during mammalian corticogenesis. <i>Journal of Cell Science</i> , 2016, 129, e1.1-e1.1.	2.0	0