

# Paul Nurse

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60 papers	17,085 citations	36 h-index	64 g-index
64 ext. papers	18,318 ext. citations	22.9 avg, IF	6.71 L-index

#	Paper	IF	Citations
60	CDK control pathways integrate cell size and ploidy information to control cell division. <i>ELife</i> , <b>2021</b> , 10,	8.9	3
59	Identification of mutants with increased variation in cell size at onset of mitosis in fission yeast. <i>Journal of Cell Science</i> , <b>2021</b> , 134,	5.3	5
58	Identification of novel microtubule inhibitors effective in fission yeast and human cells and their effects on breast cancer cell lines. <i>Open Biology</i> , <b>2021</b> , 11, 210161	7	1
57	The Hydrophobic Patch Directs Cyclin B to Centrosomes to Promote Global CDK Phosphorylation at Mitosis. <i>Current Biology</i> , <b>2020</b> , 30, 883-892.e4	6.3	6
56	Unravelling nuclear size control. <i>Current Genetics</i> , <b>2019</b> , 65, 1281-1285	2.9	35
55	Nuclear membrane protein Lem2 regulates nuclear size through membrane flow. <i>Nature Communications</i> , <b>2019</b> , 10, 1871	17.4	29
54	Noisy Cell-Size-Correlated Expression of Cyclin B Drives Probabilistic Cell-Size Homeostasis in Fission Yeast. <i>Current Biology</i> , <b>2019</b> , 29, 1379-1386.e4	6.3	20
53	A systematic genetic screen identifies essential factors involved in nuclear size control. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1007929	6	18
52	A homeostatic mechanism rapidly corrects aberrant nucleocytoplasmic ratios maintaining nuclear size in fission yeast. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	5
51	Quantitative Phosphoproteomics Reveals the Signaling Dynamics of Cell-Cycle Kinases in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Cell Reports</i> , <b>2018</b> , 24, 503-514	10.6	39
50	Genome-wide screen for cell growth regulators in fission yeast. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 2049-2055	20.5	6
49	A systematic genomic screen implicates nucleocytoplasmic transport and membrane growth in nuclear size control. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006767	6	29
48	Potent, Reversible, and Specific Chemical Inhibitors of Eukaryotic Ribosome Biogenesis. <i>Cell</i> , <b>2016</b> , 167, 512-524.e14	56.2	39
47	A genome-wide screen to identify genes controlling the rate of entry into mitosis in fission yeast. <i>Cell Cycle</i> , <b>2016</b> , 15, 3121-3130	4.7	11
46	Nuclear envelope expansion is crucial for proper chromosomal segregation during a closed mitosis. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 1250-9	5.3	22
45	CDK Substrate Phosphorylation and Ordering the Cell Cycle. <i>Cell</i> , <b>2016</b> , 167, 1750-1761.e16	56.2	159
44	A single cyclin-CDK complex is sufficient for both mitotic and meiotic progression in fission yeast. <i>Nature Communications</i> , <b>2015</b> , 6, 6871	17.4	28

43	Sizing up to divide: mitotic cell-size control in fission yeast. <i>Annual Review of Cell and Developmental Biology</i> , <b>2015</b> , 31, 11-29	12.6	43
42	Pom1 and cell size homeostasis in fission yeast. <i>Cell Cycle</i> , <b>2013</b> , 12, 3228-36	4.7	55
41	A genome-wide resource of cell cycle and cell shape genes of fission yeast. <i>Open Biology</i> , <b>2013</b> , 3, 130053	5	109
40	A systematic screen reveals new elements acting at the G2/M cell cycle control. <i>Genome Biology</i> , <b>2012</b> , 13, R36	18.3	43
39	Global control of cell growth in fission yeast and its coordination with the cell cycle. <i>Current Opinion in Cell Biology</i> , <b>2012</b> , 24, 833-7	9	27
38	Driving the cell cycle with a minimal CDK control network. <i>Nature</i> , <b>2010</b> , 468, 1074-9	50.4	272
37	Analysis of a genome-wide set of gene deletions in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Nature Biotechnology</i> , <b>2010</b> , 28, 617-623	44.5	510
36	<i>S. pombe</i> genome deletion project: an update. <i>Cell Cycle</i> , <b>2010</b> , 9, 2399-402	4.7	32
35	A coordinated global control over cellular transcription. <i>Current Biology</i> , <b>2010</b> , 20, 2010-5	6.3	78
34	A spatial gradient coordinates cell size and mitotic entry in fission yeast. <i>Nature</i> , <b>2009</b> , 459, 857-60	50.4	290
33	Nuclear size control in fission yeast. <i>Journal of Cell Biology</i> , <b>2007</b> , 179, 593-600	7.3	257
32	The G1/S cyclin Cig2p during meiosis in fission yeast. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 2080-90	3.5	37
31	In vivo localisation of fission yeast cyclin-dependent kinase cdc2p and cyclin B cdc13p during mitosis and meiosis. <i>Journal of Cell Science</i> , <b>2001</b> , 114, 2627-2640	5.3	71
30	cut11(+): A gene required for cell cycle-dependent spindle pole body anchoring in the nuclear envelope and bipolar spindle formation in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , <b>1998</b> , 9, 2839-55	3.5	137
29	Mammalian phosphatidylinositol 3Kinase induces a lethal phenotype on expression in <i>Schizosaccharomyces pombe</i> ; comparison with the VPS34 gene product. <i>FEBS Journal</i> , <b>1994</b> , 219, 775-80		17
28	Checkpoint check. <i>Nature</i> , <b>1993</b> , 361, 26	50.4	81
27	Investigations into the control of cell form and polarity: the use of morphological mutants in fission yeast. <i>Development (Cambridge)</i> , <b>1993</b> , 119, 289-299	6.6	12
26	Ciba Medal Lecture. Eukaryotic cell-cycle control. <i>Biochemical Society Transactions</i> , <b>1992</b> , 20, 239-42	5.1	18

25	Involvement of p34cdc2 in establishing the dependency of S phase on mitosis. <i>Nature</i> , <b>1991</b> , 349, 388-93	50.4	343
24	Involvement in Meiotic Prophase of H1 Histone Kinase and p34cdc2 Homologues in Lily ( <i>Lilium longiflorum</i> ) Microsporocytes. <i>Development Growth and Differentiation</i> , <b>1991</b> , 33, 625-632	3	12
23	Expression of a dominant negative allele of cdc2 prevents activation of the endogenous p34cdc2 kinase. <i>Molecular Genetics and Genomics</i> , <b>1991</b> , 226, 432-40		26
22	Molecular genetic analysis of fission yeast <i>Schizosaccharomyces pombe</i> . <i>Methods in Enzymology</i> , <b>1991</b> , 194, 795-823	1.7	2987
21	Universal control mechanism regulating onset of M-phase. <i>Nature</i> , <b>1990</b> , 344, 503-8	50.4	2625
20	Regulation of mitosis by cyclic accumulation of p80cdc25 mitotic inducer in fission yeast. <i>Nature</i> , <b>1990</b> , 344, 549-52	50.4	203
19	Yeast as a model system for understanding the control of DNA replication in Eukaryotes. <i>BioEssays</i> , <b>1990</b> , 12, 457-63	4.1	42
18	Mutation of fission yeast cell cycle control genes abolishes dependence of mitosis on DNA replication. <i>Cell</i> , <b>1990</b> , 60, 665-73	56.2	444
17	Controls of cell proliferation in yeast and animals. <i>Novartis Foundation Symposium</i> , <b>1990</b> , 150, 168-77; discussion 177-83		6
16	Dephosphorylation and activation of <i>Xenopus</i> p34cdc2 protein kinase during the cell cycle. <i>Nature</i> , <b>1989</b> , 339, 626-9	50.4	304
15	Tyrosine phosphorylation of the fission yeast cdc2+ protein kinase regulates entry into mitosis. <i>Nature</i> , <b>1989</b> , 342, 39-45	50.4	1154
14	Regulation of p34cdc2 protein kinase during mitosis. <i>Cell</i> , <b>1989</b> , 58, 361-72	56.2	543
13	Negative regulation of mitosis by wee1+, a gene encoding a protein kinase homolog. <i>Cell</i> , <b>1987</b> , 49, 559-67	56.2	916
12	Complementation used to clone a human homologue of the fission yeast cell cycle control gene cdc2. <i>Nature</i> , <b>1987</b> , 327, 31-5	50.4	1027
11	cdc25+ functions as an inducer in the mitotic control of fission yeast. <i>Cell</i> , <b>1986</b> , 45, 145-53	56.2	896
10	Mutants of the fission yeast <i>Schizosaccharomyces pombe</i> which alter the shift between cell proliferation and sporulation. <i>Molecular Genetics and Genomics</i> , <b>1985</b> , 198, 497-502		129
9	Construction of a <i>Schizosaccharomyces pombe</i> gene bank in a yeast bacterial shuttle vector and its use to isolate genes by complementation. <i>Molecular Genetics and Genomics</i> , <b>1982</b> , 187, 326-9		227
8	Cell division cycle mutants altered in DNA replication and mitosis in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Molecular Genetics and Genomics</i> , <b>1981</b> , 182, 119-24		241

7	Gene required in G1 for commitment to cell cycle and in G2 for control of mitosis in fission yeast. <i>Nature</i> , <b>1981</b> , 292, 558-60	50.4	683
6	Regulatory genes controlling mitosis in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Genetics</i> , <b>1980</b> , 96, 627-37	4	268
5	Novel cell cycle control of RNA synthesis in yeast. <i>Nature</i> , <b>1978</b> , 271, 726-30	50.4	48
4	Cell-cycle control in yeasts [proceedings]. <i>Biochemical Society Transactions</i> , <b>1977</b> , 5, 1191-3	5.1	7
3	Transition probability and cell-cycle initiation in yeast. <i>Nature</i> , <b>1977</b> , 267, 647-647	50.4	6
2	Genetic control of the cell division cycle in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Molecular Genetics and Genomics</i> , <b>1976</b> , 146, 167-78		692
1	Genetic control of cell size at cell division in yeast. <i>Nature</i> , <b>1975</b> , 256, 547-51	50.4	696