Jonathon Pines

List of Publications by Year
in descending order

68 papers	13,201 citations	34016 52 h-index	98622 67 g-index
71 all docs	71 docs citations	71 times ranked	9537 citing authors

#	Article	IF	Citations
1	Cell cycle-dependent binding between Cyclin B1 and Cdk1 revealed by time-resolved fluorescence correlation spectroscopy. Open Biology, 2022, 12, .	1.5	10
2	Spindle assembly checkpoint activation and silencing at kinetochores. Seminars in Cell and Developmental Biology, 2021, 117, 86-98.	2.3	125
3	Cyclin B1-Cdk1 facilitates MAD1 release from the nuclear pore to ensure a robust spindle checkpoint. Journal of Cell Biology, 2020, 219, .	2.3	35
4	Cyclin B1 is essential for mitosis in mouse embryos, and its nuclear export sets the time for mitosis. Journal of Cell Biology, 2018, 217, 179-193.	2.3	59
5	Delayed APC/C activation extends the first mitosis of mouse embryos. Scientific Reports, 2017, 7, 9682.	1.6	10
6	The Mitotic Checkpoint Complex Requires an Evolutionary Conserved Cassette to Bind and Inhibit Active APC/C. Molecular Cell, 2016, 64, 1144-1153.	4.5	43
7	The ABBA Motif Binds APC/C Activators and Is Shared by APC/C Substrates and Regulators. Developmental Cell, 2015, 32, 358-372.	3.1	172
8	The Biochemistry of Mitosis. Cold Spring Harbor Perspectives in Biology, 2015, 7, a015776.	2.3	47
9	The mitotic checkpoint complex binds a second CDC20 to inhibit active APC/C. Nature, 2015, 517, 631-634.	13.7	170
10	Co-activator independent differences in how the metaphase and anaphase APC/C recognise the same substrate. Biology Open, 2014, 3, 904-912.	0.6	9
11	Mechanisms controlling the temporal degradation of Nek2A and Kif18A by the APC/Câ€“Cdc20 complex. EMBO Journal, 2013, 32, 303-314.	3.5	61
12	The spindle assembly checkpoint works like a rheostat rather than a toggle switch. Nature Cell Biology, 2013, 15, 1378-1385.	4.6	192
13	APC15 drives the turnover of MCC-CDC20 to make the spindle assembly checkpoint responsive to kinetochore attachment. Nature Cell Biology, 2011, 13, 1234-1243.	4.6	139
14	Quantitative Proteomics Reveals the Basis for the Biochemical Specificity of the Cell-Cycle Machinery. Molecular Cell, 2011, 43, 406-417.	4.5	127
15	How APC/Câ€“Cdc20 changes its substrate specificity inÂmitosis. Nature Cell Biology, 2011, 13, 223-233.	4.6	100
16	Cubism and the cell cycle: the many faces of the APC/C. Nature Reviews Molecular Cell Biology, 2011, 12, 427-438.	16.1	332
17	The Renaissance or the cuckoo clock. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3625-3634.	1.8	19
18	How cyclin A destruction escapes the spindle assembly checkpoint. Journal of Cell Biology, 2010, 190, 501-509.	2.3	88

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19	Activation of cyclin B1â€“Cdk1 synchronizes events in the nucleus and the cytoplasm at mitosis. Journal of Cell Biology, 2010, 189, 247-259.	2.3	248
20	Progressive Activation of CyclinB1-Cdk1 Coordinates Entry to Mitosis. Developmental Cell, 2010, 18, 533-543.	3.1	695
21	UBE2S elongates ubiquitin chains on APC/C substrates to promote mitotic exit. Nature Cell Biology, 2009, 11, 1363-1369.	4.6	217
22	Defining the role of Emi1 in the DNA replicationâ€“segregation cycle. Chromosoma, 2008, 117, 333-338.	1.0	27
23	Poly(ADP-ribose)-binding zinc finger motifs in DNA repair/checkpoint proteins. Nature, 2008, 451, 81-85.	13.7	367
24	The APC/C maintains the spindle assembly checkpoint by targeting Cdc20 for destruction. Nature Cell Biology, 2008, 10, 1411-1420.	4.6	270
25	APC/CCdh1 Targets Aurora Kinase to Control Reorganization of the Mitotic Spindle at Anaphase. Current Biology, 2008, 18, 1649-1658.	1.8	120
26	Cdc20 and Cks Direct the Spindle Checkpoint-Independent Destruction of Cyclin A. Molecular Cell, 2008, 30, 290-302.	4.5	165
27	UbcH10 has a rate-limiting role in G1 phase but might not act in the spindle checkpoint or as part of an autonomous oscillator. Journal of Cell Science, 2008, 121, 2319-2326.	1.2	37
28	Getting In and Out of Mitosis. Research and Perspectives in Endocrine Interactions, 2008, , 11-20.	0.2	0
29	Emi1 is needed to couple DNA replication with mitosis but does not regulate activation of the mitotic APC/C. Journal of Cell Biology, 2007, 177, 425-437.	2.3	116
30	The Centrosome Opens the Way to Mitosis. Developmental Cell, 2007, 12, 475-477.	3.1	12
31	Mitosis: a matter of getting rid of the right protein at the right time. Trends in Cell Biology, 2006, 16, 55-63.	3.6	229
32	The anaphase-promoting complex/cyclosome: APC/C. Journal of Cell Science, 2006, 119, 2401-2404.	1.2	108
33	Proteolysis: anytime, any place, anywhere?. Nature Cell Biology, 2005, 7, 731-735.	4.6	71
34	Ordered proteolysis in anaphase inactivates Plk1 to contribute to proper mitotic exit in human cells. Journal of Cell Biology, 2004, 164, 233-241.	2.3	312
35	Chfr acts with the p38 stress kinases to block entry to mitosis in mammalian cells. Journal of Cell Biology, 2004, 166, 507-516.	2.3	101
36	The anaphase promoting complex/cyclosome is recruited to centromeres by the spindle assembly checkpoint. Nature Cell Biology, 2004, 6, 892-898.	4.6	94

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37	Human replication protein Cdc6 prevents mitosis through a checkpoint mechanism that implicates Chk1. EMBO Journal, 2003, 22, 704-712.	3.5	80
38	Mitotic regulation of the human anaphase-promoting complex by phosphorylation. EMBO Journal, 2003, 22, 6598-6609.	3.5	344
39	Active cyclin B1â€"Cdk1 first appears on centrosomes in prophase. Nature Cell Biology, 2003, 5, 143-148.	4.6	540
40	Characterization and Expression of Mammalian Cyclin B3, a Prepachytene Meiotic Cyclin. Journal of Biological Chemistry, 2002, 277, 41960-41969.	1.6	117
41	Cyclin A- and Cyclin E-Cdk Complexes Shuttle between the Nucleus and the Cytoplasm. Molecular Biology of the Cell, 2002, 13, 1030-1045.	0.9	138
42	Human securin proteolysis is controlled by the spindle checkpoint and reveals when the APC/C switches from activation by Cdc20 to Cdh1. Journal of Cell Biology, 2002, 157, 1125-1137.	2.3	284
43	Use of Green Fluorescent Protein in Mouse Embryos. Methods, 2001, 24, 55-60.	1.9	12
44	Re-staging mitosis: a contemporary view of mitotic progression. Nature Cell Biology, 2001, 3, E3-E6.	4.6	143
45	The Localization of Human Cyclins B1 and B2 Determines Cdk1 Substrate Specificity and Neither Enzyme Requires Mek to Disassemble the Golgi Apparatus. Journal of Cell Biology, 2001, 152, 945-958.	2.3	119
46	Cyclin a Is Destroyed in Prometaphase and Can Delay Chromosome Alignment and Anaphase. Journal of Cell Biology, 2001, 153, 121-136.	2.3	335
47	Cdc25b and Cdc25c Differ Markedly in Their Properties as Initiators of Mitosis. Journal of Cell Biology, 1999, 146, 573-584.	2.3	161
48	Human Cyclin a Is Required for Mitosis until Mid Prophase. Journal of Cell Biology, 1999, 147, 295-306.	2.3	239
49	Temporal and spatial control of cyclin B1 destruction in metaphase. Nature Cell Biology, 1999, 1, 82-87.	4.6	640
50	Four-dimensional control of the cell cycle. Nature Cell Biology, 1999, 1, E73-E79.	4.6	349
51	Checkpoint on the nuclear frontier. Nature, 1999, 397, 104-105.	13.7	56
52	Translocation of cyclin B1 to the nucleus at prophase requires a phosphorylation-dependent nuclear import signal. Current Biology, 1999, 9, 680-689.	1.8	236
53	MPF localization is controlled by nuclear export. EMBO Journal, 1998, 17, 4127-4138.	3.5	318
54	Localization of cell cycle regulators by immunofluorescence. Methods in Enzymology, 1997, 283, 99-113.	0.4	21

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55	Cyclin/Cdk-Dependent Initiation of DNA Replication in a Human Cell-Free System. Cell, 1997, 88, 109-119.	13.5	291
56	Cyclin from Sea Urchins to HeLas: Making the Human Cell Cycle. Biochemical Society Transactions, 1996, 24, 15-33.	1.6	37
57	Cyclins, CDKs and cancer. Seminars in Cancer Biology, 1995, 6, 63-72.	4.3	166
58	Cyclins and Cyclin-Dependent Kinases: Theme and Variations. Advances in Cancer Research, 1995, 66, 181-212.	1.9	142
59	Cyclins and their associated cyclin-dependent kinases in the human cell cycle. Biochemical Society Transactions, 1993, 21, 921-925.	1.6	72
60	Cell proliferation and control. Current Opinion in Cell Biology, 1992, 4, 144-148.	2.6	41
61	A cyclin A-protein kinase complex possesses sequence-specific DNA binding activity: p33cdk2 is a component of the E2F-cyclin A complex. Cell, 1992, 68, 167-176.	13.5	395
62	c-mos proto-oncogene product is partly degraded after release from meiotic arrest and persists during interphase in mouse zygotes. Developmental Biology, 1991, 148, 393-397.	0.9	74
63	Cell cycle regulation of the E2F transcription factor involves an interaction with cyclin A. Cell, 1991, 65, 1243-1253.	13.5	407
64	Cyclins and cancer. Cell, 1991, 66, 1071-1074.	13.5	448
65	Cyclin-dependent kinases: a new cell cycle motif?. Trends in Cell Biology, 1991, 1, 117-121.	3.6	146
66	Human cyclin A is adenovirus E1A-associated protein p60 and behaves differently from cyclin B. Nature, 1990, 346, 760-763.	13.7	758
67	Isolation of a human cyclin cDNA: Evidence for cyclin mRNA and protein regulation in the cell cycle and for interaction with p34cdc2. Cell, 1989, 58, 833-846.	13.5	946
68	Cyclin synthesis, modification and destruction during meiotic maturation of the starfish oocyte. Developmental Biology, 1987, 124, 248-258.	0.9	191