

Jonathon Pines

List of Publications by Year in descending order

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68
papers

13,201
citations

34105

52
h-index

98798

67
g-index

71
all docs

71
docs citations

71
times ranked

9537
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation of a human cyclin cDNA: Evidence for cyclin mRNA and protein regulation in the cell cycle and for interaction with p34cdc2. <i>Cell</i> , 1989, 58, 833-846.	28.9	946
2	Human cyclin A is adenovirus E1A-associated protein p60 and behaves differently from cyclin B. <i>Nature</i> , 1990, 346, 760-763.	27.8	758
3	Progressive Activation of CyclinB1-Cdk1 Coordinates Entry to Mitosis. <i>Developmental Cell</i> , 2010, 18, 533-543.	7.0	695
4	Temporal and spatial control of cyclin B1 destruction in metaphase. <i>Nature Cell Biology</i> , 1999, 1, 82-87.	10.3	640
5	Active cyclin B1-Cdk1 first appears on centrosomes in prophase. <i>Nature Cell Biology</i> , 2003, 5, 143-148.	10.3	540
6	Cyclins and cancer. <i>Cell</i> , 1991, 66, 1071-1074.	28.9	448
7	Cell cycle regulation of the E2F transcription factor involves an interaction with cyclin A. <i>Cell</i> , 1991, 65, 1243-1253.	28.9	407
8	A cyclin A-protein kinase complex possesses sequence-specific DNA binding activity: p33cdc2 is a component of the E2F-cyclin A complex. <i>Cell</i> , 1992, 68, 167-176.	28.9	395
9	Poly(ADP-ribose)-binding zinc finger motifs in DNA repair/checkpoint proteins. <i>Nature</i> , 2008, 451, 81-85.	27.8	367
10	Four-dimensional control of the cell cycle. <i>Nature Cell Biology</i> , 1999, 1, E73-E79.	10.3	349
11	Mitotic regulation of the human anaphase-promoting complex by phosphorylation. <i>EMBO Journal</i> , 2003, 22, 6598-6609.	7.8	344
12	Cyclin a Is Destroyed in Prometaphase and Can Delay Chromosome Alignment and Anaphase. <i>Journal of Cell Biology</i> , 2001, 153, 121-136.	5.2	335
13	Cubism and the cell cycle: the many faces of the APC/C. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 427-438.	37.0	332
14	MPF localization is controlled by nuclear export. <i>EMBO Journal</i> , 1998, 17, 4127-4138.	7.8	318
15	Ordered proteolysis in anaphase inactivates Plk1 to contribute to proper mitotic exit in human cells. <i>Journal of Cell Biology</i> , 2004, 164, 233-241.	5.2	312
16	Cyclin/Cdk-Dependent Initiation of DNA Replication in a Human Cell-Free System. <i>Cell</i> , 1997, 88, 109-119.	28.9	291
17	Human securin proteolysis is controlled by the spindle checkpoint and reveals when the APC/C switches from activation by Cdc20 to Cdh1. <i>Journal of Cell Biology</i> , 2002, 157, 1125-1137.	5.2	284
18	The APC/C maintains the spindle assembly checkpoint by targeting Cdc20 for destruction. <i>Nature Cell Biology</i> , 2008, 10, 1411-1420.	10.3	270

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19	Activation of cyclin B1â€Cdk1 synchronizes events in the nucleus and the cytoplasm at mitosis. <i>Journal of Cell Biology</i> , 2010, 189, 247-259.	5.2	248
20	Human Cyclin a Is Required for Mitosis until Mid Prophase. <i>Journal of Cell Biology</i> , 1999, 147, 295-306.	5.2	239
21	Translocation of cyclin B1 to the nucleus at prophase requires a phosphorylation-dependent nuclear import signal. <i>Current Biology</i> , 1999, 9, 680-689.	3.9	236
22	Mitosis: a matter of getting rid of the right protein at the right time. <i>Trends in Cell Biology</i> , 2006, 16, 55-63.	7.9	229
23	UBE2S elongates ubiquitin chains on APC/C substrates to promote mitotic exit. <i>Nature Cell Biology</i> , 2009, 11, 1363-1369.	10.3	217
24	The spindle assembly checkpoint works like a rheostat rather than a toggle switch. <i>Nature Cell Biology</i> , 2013, 15, 1378-1385.	10.3	192
25	Cyclin synthesis, modification and destruction during meiotic maturation of the starfish oocyte. <i>Developmental Biology</i> , 1987, 124, 248-258.	2.0	191
26	The ABBA Motif Binds APC/C Activators and Is Shared by APC/C Substrates and Regulators. <i>Developmental Cell</i> , 2015, 32, 358-372.	7.0	172
27	The mitotic checkpoint complex binds a second CDC20 to inhibit active APC/C. <i>Nature</i> , 2015, 517, 631-634.	27.8	170
28	Cyclins, CDKs and cancer. <i>Seminars in Cancer Biology</i> , 1995, 6, 63-72.	9.6	166
29	Cdc20 and Cks Direct the Spindle Checkpoint-Independent Destruction of Cyclin A. <i>Molecular Cell</i> , 2008, 30, 290-302.	9.7	165
30	Cdc25b and Cdc25c Differ Markedly in Their Properties as Initiators of Mitosis. <i>Journal of Cell Biology</i> , 1999, 146, 573-584.	5.2	161
31	Cyclin-dependent kinases: a new cell cycle motif?. <i>Trends in Cell Biology</i> , 1991, 1, 117-121.	7.9	146
32	Re-staging mitosis: a contemporary view of mitotic progression. <i>Nature Cell Biology</i> , 2001, 3, E3-E6.	10.3	143
33	Cyclins and Cyclin-Dependent Kinases: Theme and Variations. <i>Advances in Cancer Research</i> , 1995, 66, 181-212.	5.0	142
34	APC15 drives the turnover of MCC-CDC20 to make the spindle assembly checkpoint responsive to kinetochore attachment. <i>Nature Cell Biology</i> , 2011, 13, 1234-1243.	10.3	139
35	Cyclin A- and Cyclin E-Cdk Complexes Shuttle between the Nucleus and the Cytoplasm. <i>Molecular Biology of the Cell</i> , 2002, 13, 1030-1045.	2.1	138
36	Quantitative Proteomics Reveals the Basis for the Biochemical Specificity of the Cell-Cycle Machinery. <i>Molecular Cell</i> , 2011, 43, 406-417.	9.7	127

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37	Spindle assembly checkpoint activation and silencing at kinetochores. <i>Seminars in Cell and Developmental Biology</i> , 2021, 117, 86-98.	5.0	125
38	APC/CCdh1 Targets Aurora Kinase to Control Reorganization of the Mitotic Spindle at Anaphase. <i>Current Biology</i> , 2008, 18, 1649-1658.	3.9	120
39	The Localization of Human Cyclins B1 and B2 Determines Cdk1 Substrate Specificity and Neither Enzyme Requires Mek to Disassemble the Golgi Apparatus. <i>Journal of Cell Biology</i> , 2001, 152, 945-958.	5.2	119
40	Characterization and Expression of Mammalian Cyclin B3, a Prepachytene Meiotic Cyclin. <i>Journal of Biological Chemistry</i> , 2002, 277, 41960-41969.	3.4	117
41	Emi1 is needed to couple DNA replication with mitosis but does not regulate activation of the mitotic APC/C. <i>Journal of Cell Biology</i> , 2007, 177, 425-437.	5.2	116
42	The anaphase-promoting complex/cyclosome: APC/C. <i>Journal of Cell Science</i> , 2006, 119, 2401-2404.	2.0	108
43	Chfr acts with the p38 stress kinases to block entry to mitosis in mammalian cells. <i>Journal of Cell Biology</i> , 2004, 166, 507-516.	5.2	101
44	How APC/Cdc20 changes its substrate specificity in mitosis. <i>Nature Cell Biology</i> , 2011, 13, 223-233.	10.3	100
45	The anaphase promoting complex/cyclosome is recruited to centromeres by the spindle assembly checkpoint. <i>Nature Cell Biology</i> , 2004, 6, 892-898.	10.3	94
46	How cyclin A destruction escapes the spindle assembly checkpoint. <i>Journal of Cell Biology</i> , 2010, 190, 501-509.	5.2	88
47	Human replication protein Cdc6 prevents mitosis through a checkpoint mechanism that implicates Chk1. <i>EMBO Journal</i> , 2003, 22, 704-712.	7.8	80
48	c-mos proto-oncogene product is partly degraded after release from meiotic arrest and persists during interphase in mouse zygotes. <i>Developmental Biology</i> , 1991, 148, 393-397.	2.0	74
49	Cyclins and their associated cyclin-dependent kinases in the human cell cycle. <i>Biochemical Society Transactions</i> , 1993, 21, 921-925.	3.4	72
50	Proteolysis: anytime, any place, anywhere?. <i>Nature Cell Biology</i> , 2005, 7, 731-735.	10.3	71
51	Mechanisms controlling the temporal degradation of Nek2A and Kif18A by the APC/Cdc20 complex. <i>EMBO Journal</i> , 2013, 32, 303-314.	7.8	61
52	Cyclin B1 is essential for mitosis in mouse embryos, and its nuclear export sets the time for mitosis. <i>Journal of Cell Biology</i> , 2018, 217, 179-193.	5.2	59
53	Checkpoint on the nuclear frontier. <i>Nature</i> , 1999, 397, 104-105.	27.8	56
54	The Biochemistry of Mitosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a015776.	5.5	47

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55	The Mitotic Checkpoint Complex Requires an Evolutionary Conserved Cassette to Bind and Inhibit Active APC/C. <i>Molecular Cell</i> , 2016, 64, 1144-1153.	9.7	43
56	Cell proliferation and control. <i>Current Opinion in Cell Biology</i> , 1992, 4, 144-148.	5.4	41
57	Cyclin from Sea Urchins to HeLas: Making the Human Cell Cycle. <i>Biochemical Society Transactions</i> , 1996, 24, 15-33.	3.4	37
58	UbcH10 has a rate-limiting role in G1 phase but might not act in the spindle checkpoint or as part of an autonomous oscillator. <i>Journal of Cell Science</i> , 2008, 121, 2319-2326.	2.0	37
59	Cyclin B1-Cdk1 facilitates MAD1 release from the nuclear pore to ensure a robust spindle checkpoint. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	35
60	Defining the role of Emi1 in the DNA replicationâ€“segregation cycle. <i>Chromosoma</i> , 2008, 117, 333-338.	2.2	27
61	Localization of cell cycle regulators by immunofluorescence. <i>Methods in Enzymology</i> , 1997, 283, 99-113.	1.0	21
62	The Renaissance or the cuckoo clock. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3625-3634.	4.0	19
63	Use of Green Fluorescent Protein in Mouse Embryos. <i>Methods</i> , 2001, 24, 55-60.	3.8	12
64	The Centrosome Opens the Way to Mitosis. <i>Developmental Cell</i> , 2007, 12, 475-477.	7.0	12
65	Delayed APC/C activation extends the first mitosis of mouse embryos. <i>Scientific Reports</i> , 2017, 7, 9682.	3.3	10
66	Cell cycle-dependent binding between Cyclin B1 and Cdk1 revealed by time-resolved fluorescence correlation spectroscopy. <i>Open Biology</i> , 2022, 12, .	3.6	10
67	Co-activator independent differences in how the metaphase and anaphase APC/C recognise the same substrate. <i>Biology Open</i> , 2014, 3, 904-912.	1.2	9
68	Getting In and Out of Mitosis. <i>Research and Perspectives in Endocrine Interactions</i> , 2008, , 11-20.	0.2	0