Jonathon Noe Joseph Pines

List of Publications by Year
in descending order

75 papers	12,065 citations	36303 51 h-index	76900 74 g-index
79 all docs	79 docs citations	79 times ranked	9644 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. Cell, 1989, 58, 833-846.	28.9	946
2	Progressive Activation of CyclinB1-Cdk1 Coordinates Entry to Mitosis. Developmental Cell, 2010, 18, 533-543.	7.0	695
3	Temporal and spatial control of cyclin B1 destruction in metaphase. Nature Cell Biology, 1999, 1, 82-87.	10.3	640
4	Active cyclin B1â€“Cdk1 first appears on centrosomes in prophase. Nature Cell Biology, 2003, 5, 143-148.	10.3	540
5	Cyclins and cancer. Cell, 1991, 66, 1071-1074.	28.9	448
6	Cell cycle regulation of the E2F transcription factor involves an interaction with cyclin A. Cell, 1991, 65, 1243-1253.	28.9	407
7	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.	28.9	395
8	Poly(ADP-ribose)-binding zinc finger motifs in DNA repair/checkpoint proteins. Nature, 2008, 451, 81-85.	27.8	367
9	Four-dimensional control of the cell cycle. Nature Cell Biology, 1999, 1, E73-E79.	10.3	349
10	Mitotic regulation of the human anaphase-promoting complex by phosphorylation. EMBO Journal, 2003, 22, 6598-6609.	7.8	344
11	Cyclin a Is Destroyed in Prometaphase and Can Delay Chromosome Alignment and Anaphase. Journal of Cell Biology, 2001, 153, 121-136.	5.2	335
12	Cubism and the cell cycle: the many faces of the APC/C. Nature Reviews Molecular Cell Biology, 2011, 12, 427-438.	37.0	332
13	MPF localization is controlled by nuclear export. EMBO Journal, 1998, 17, 4127-4138.	7.8	318
14	Ordered proteolysis in anaphase inactivates Plk1 to contribute to proper mitotic exit in human cells. Journal of Cell Biology, 2004, 164, 233-241.	5.2	312
15	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.	5.2	284
16	The APC/C maintains the spindle assembly checkpoint by targeting Cdc20 for destruction. Nature Cell Biology, 2008, 10, 1411-1420.	10.3	270
17	Activation of cyclin B1â€“Cdk1 synchronizes events in the nucleus and the cytoplasm at mitosis. Journal of Cell Biology, 2010, 189, 247-259.	5.2	248
18	Translocation of cyclin B1 to the nucleus at prophase requires a phosphorylation-dependent nuclear import signal. Current Biology, 1999, 9, 680-689.	3.9	236

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19	Mitosis: a matter of getting rid of the right protein at the right time. Trends in Cell Biology, 2006, 16, 55-63.	7.9	229
20	UBE2S elongates ubiquitin chains on APC/C substrates to promote mitotic exit. Nature Cell Biology, 2009, 11, 1363-1369.	10.3	217
21	The spindle assembly checkpoint works like a rheostat rather than a toggle switch. Nature Cell Biology, 2013, 15, 1378-1385.	10.3	192
22	Cyclin synthesis, modification and destruction during meiotic maturation of the starfish oocyte. Developmental Biology, 1987, 124, 248-258.	2.0	191
23	The ABBA Motif Binds APC/C Activators and Is Shared by APC/C Substrates and Regulators. Developmental Cell, 2015, 32, 358-372.	7.0	172
24	The mitotic checkpoint complex binds a second CDC20 to inhibit active APC/C. Nature, 2015, 517, 631-634.	27.8	170
25	Cdc20 and Cks Direct the Spindle Checkpoint-Independent Destruction of Cyclin A. Molecular Cell, 2008, 30, 290-302.	9.7	165
26	A PP1â€“PP2A phosphatase relay controls mitotic progression. Nature, 2015, 517, 94-98.	27.8	162
27	Cdc25b and Cdc25c Differ Markedly in Their Properties as Initiators of Mitosis. Journal of Cell Biology, 1999, 146, 573-584.	5.2	161
28	Cyclin-dependent kinases: a new cell cycle motif?. Trends in Cell Biology, 1991, 1, 117-121.	7.9	146
29	Re-staging mitosis: a contemporary view of mitotic progression. Nature Cell Biology, 2001, 3, E3-E6.	10.3	143
30	APC15 drives the turnover of MCC-CDC20 to make the spindle assembly checkpoint responsive to kinetochore attachment. Nature Cell Biology, 2011, 13, 1234-1243.	10.3	139
31	Cell cycle: Reaching for a role for the Cks proteins. Current Biology, 1996, 6, 1399-1402.	3.9	128
32	Quantitative Proteomics Reveals the Basis for the Biochemical Specificity of the Cell-Cycle Machinery. Molecular Cell, 2011, 43, 406-417.	9.7	127
33	Spindle assembly checkpoint activation and silencing at kinetochores. Seminars in Cell and Developmental Biology, 2021, 117, 86-98.	5.0	125
34	APC/CCdh1 Targets Aurora Kinase to Control Reorganization of the Mitotic Spindle at Anaphase. Current Biology, 2008, 18, 1649-1658.	3.9	120
35	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.	5.2	119
36	Characterization and Expression of Mammalian Cyclin B3, a Prepachytene Meiotic Cyclin. Journal of Biological Chemistry, 2002, 277, 41960-41969.	3.4	117

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37	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.	5.2	116
38	Biallelic TRIP13 mutations predispose to Wilms tumor and chromosome missegregation. Nature Genetics, 2017, 49, 1148-1151.	21.4	111
39	The anaphase-promoting complex/cyclosome: APC/C. Journal of Cell Science, 2006, 119, 2401-2404.	2.0	108
40	GFP in mammalian cells. Trends in Genetics, 1995, 11, 326-327.	6.7	106
41	How APC/Câ€“Cdc20 changes its substrate specificity inÂmitosis. Nature Cell Biology, 2011, 13, 223-233.	10.3	100
42	The anaphase promoting complex/cyclosome is recruited to centromeres by the spindle assembly checkpoint. Nature Cell Biology, 2004, 6, 892-898.	10.3	94
43	How cyclin A destruction escapes the spindle assembly checkpoint. Journal of Cell Biology, 2010, 190, 501-509.	5.2	88
44	Human replication protein Cdc6 prevents mitosis through a checkpoint mechanism that implicates Chk1. EMBO Journal, 2003, 22, 704-712.	7.8	80
45	Centromere tension: a divisive issue. Nature Cell Biology, 2010, 12, 919-923.	10.3	79
46	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.	2.0	74
47	Arresting developments in cell-cycle control. Trends in Biochemical Sciences, 1994, 19, 143-145.	7.5	74
48	Proteolysis: anytime, any place, anywhere?. Nature Cell Biology, 2005, 7, 731-735.	10.3	71
49	Mad2 and the APC/C compete for the same site on Cdc20 to ensure proper chromosome segregation. Journal of Cell Biology, 2012, 199, 27-37.	5.2	71
50	Mechanisms controlling the temporal degradation of Nek2A and Kif18A by the APC/Câ€“Cdc20 complex. EMBO Journal, 2013, 32, 303-314.	7.8	61
51	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.	5.2	59
52	Checkpoint on the nuclear frontier. Nature, 1999, 397, 104-105.	27.8	56
53	The Biochemistry of Mitosis. Cold Spring Harbor Perspectives in Biology, 2015, 7, a015776.	5.5	47
54	The Mitotic Checkpoint Complex Requires an Evolutionary Conserved Cassette to Bind and Inhibit Active APC/C. Molecular Cell, 2016, 64, 1144-1153.	9.7	43

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55	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.	2.0	37
56	Torin1 mediated TOR kinase inhibition reduces Wee1 levels and advances mitotic commitment in fission yeast and HeLa cells. Journal of Cell Science, 2014, 127, 1346-56.	2.0	37
57	Cyclin B1-Cdk1 facilitates MAD1 release from the nuclear pore to ensure a robust spindle checkpoint. Journal of Cell Biology, 2020, 219, .	5.2	35
58	Human Mob1 proteins are required for cytokinesis by controlling microtubule stability. Journal of Cell Science, 2012, 125, 3085-90.	2.0	30
59	Defining the role of Emi1 in the DNA replicationâ€“segregation cycle. Chromosoma, 2008, 117, 333-338.	2.2	27
60	Clear as crystal?. Current Biology, 1993, 3, 544-547.	3.9	26
61	Localization of cell cycle regulators by immunofluorescence. Methods in Enzymology, 1997, 283, 99-113.	1.0	21
62	The Renaissance or the cuckoo clock. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3625-3634.	4.0	19
63	Use of Green Fluorescent Protein in Mouse Embryos. Methods, 2001, 24, 55-60.	3.8	12
64	The Centrosome Opens the Way to Mitosis. Developmental Cell, 2007, 12, 475-477.	7.0	12
65	The APC/C: A SmÃ¶rgÃ¥sbord for Proteolysis. Molecular Cell, 2009, 34, 135-136.	9.7	12
66	Cyclin-dependent kinase inhibitors: the age of crystals. Biochimica Et Biophysica Acta: Reviews on Cancer, 1997, 1332, M39-M42.	7.4	10
67	Delayed APC/C activation extends the first mitosis of mouse embryos. Scientific Reports, 2017, 7, 9682.	3.3	10
68	Image integrity and standards. Open Biology, 2020, 10, 200165.	3.6	10
69	Cell cycle-dependent binding between Cyclin B1 and Cdk1 revealed by time-resolved fluorescence correlation spectroscopy. Open Biology, 2022, 12, .	3.6	10
70	Co-activator independent differences in how the metaphase and anaphase APC/C recognise the same substrate. Biology Open, 2014, 3, 904-912.	1.2	9
71	Escaping the firing squad: acetylation of BubR1 protects it from degradation in checkpoint cells. EMBO Journal, 2009, 28, 1991-1993.	7.8	7
72	Assays for the spindle assembly checkpoint in cell culture. Methods in Cell Biology, 2018, 144, 1-13.	1.1	4

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73	A red light in mitosis. Nature Reviews Molecular Cell Biology, 2012, 13, 482-482.	37.0	1
74	Reviewers in 2019. Open Biology, 2020, 10, 200071.	3.6	0
75	Reviewers in 2020. Open Biology, 2021, 11, 210040.	3.6	0