

Jonathon Noe Joseph Pines

List of Publications by Year in descending order

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75
papers

12,065
citations

36203

51
h-index

76769

74
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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. <i>Cell</i> , 1989, 58, 833-846.	13.5	946
2	Progressive Activation of CyclinB1-Cdk1 Coordinates Entry to Mitosis. <i>Developmental Cell</i> , 2010, 18, 533-543.	3.1	695
3	Temporal and spatial control of cyclin B1 destruction in metaphase. <i>Nature Cell Biology</i> , 1999, 1, 82-87.	4.6	640
4	Active cyclin B1-Cdk1 first appears on centrosomes in prophase. <i>Nature Cell Biology</i> , 2003, 5, 143-148.	4.6	540
5	Cyclins and cancer. <i>Cell</i> , 1991, 66, 1071-1074.	13.5	448
6	Cell cycle regulation of the E2F transcription factor involves an interaction with cyclin A. <i>Cell</i> , 1991, 65, 1243-1253.	13.5	407
7	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.	13.5	395
8	Poly(ADP-ribose)-binding zinc finger motifs in DNA repair/checkpoint proteins. <i>Nature</i> , 2008, 451, 81-85.	13.7	367
9	Four-dimensional control of the cell cycle. <i>Nature Cell Biology</i> , 1999, 1, E73-E79.	4.6	349
10	Mitotic regulation of the human anaphase-promoting complex by phosphorylation. <i>EMBO Journal</i> , 2003, 22, 6598-6609.	3.5	344
11	Cyclin a Is Destroyed in Prometaphase and Can Delay Chromosome Alignment and Anaphase. <i>Journal of Cell Biology</i> , 2001, 153, 121-136.	2.3	335
12	Cubism and the cell cycle: the many faces of the APC/C. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 427-438.	16.1	332
13	MPF localization is controlled by nuclear export. <i>EMBO Journal</i> , 1998, 17, 4127-4138.	3.5	318
14	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.	2.3	312
15	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.	2.3	284
16	The APC/C maintains the spindle assembly checkpoint by targeting Cdc20 for destruction. <i>Nature Cell Biology</i> , 2008, 10, 1411-1420.	4.6	270
17	Activation of cyclin B1-Cdk1 synchronizes events in the nucleus and the cytoplasm at mitosis. <i>Journal of Cell Biology</i> , 2010, 189, 247-259.	2.3	248
18	Translocation of cyclin B1 to the nucleus at prophase requires a phosphorylation-dependent nuclear import signal. <i>Current Biology</i> , 1999, 9, 680-689.	1.8	236

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19	Mitosis: a matter of getting rid of the right protein at the right time. <i>Trends in Cell Biology</i> , 2006, 16, 55-63.	3.6	229
20	UBE2S elongates ubiquitin chains on APC/C substrates to promote mitotic exit. <i>Nature Cell Biology</i> , 2009, 11, 1363-1369.	4.6	217
21	The spindle assembly checkpoint works like a rheostat rather than a toggle switch. <i>Nature Cell Biology</i> , 2013, 15, 1378-1385.	4.6	192
22	Cyclin synthesis, modification and destruction during meiotic maturation of the starfish oocyte. <i>Developmental Biology</i> , 1987, 124, 248-258.	0.9	191
23	The ABBA Motif Binds APC/C Activators and Is Shared by APC/C Substrates and Regulators. <i>Developmental Cell</i> , 2015, 32, 358-372.	3.1	172
24	The mitotic checkpoint complex binds a second CDC20 to inhibit active APC/C. <i>Nature</i> , 2015, 517, 631-634.	13.7	170
25	Cdc20 and Cks Direct the Spindle Checkpoint-Independent Destruction of Cyclin A. <i>Molecular Cell</i> , 2008, 30, 290-302.	4.5	165
26	A PP1-PP2A phosphatase relay controls mitotic progression. <i>Nature</i> , 2015, 517, 94-98.	13.7	162
27	Cdc25b and Cdc25c Differ Markedly in Their Properties as Initiators of Mitosis. <i>Journal of Cell Biology</i> , 1999, 146, 573-584.	2.3	161
28	Cyclin-dependent kinases: a new cell cycle motif?. <i>Trends in Cell Biology</i> , 1991, 1, 117-121.	3.6	146
29	Re-staging mitosis: a contemporary view of mitotic progression. <i>Nature Cell Biology</i> , 2001, 3, E3-E6.	4.6	143
30	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.	4.6	139
31	Cell cycle: Reaching for a role for the Cks proteins. <i>Current Biology</i> , 1996, 6, 1399-1402.	1.8	128
32	Quantitative Proteomics Reveals the Basis for the Biochemical Specificity of the Cell-Cycle Machinery. <i>Molecular Cell</i> , 2011, 43, 406-417.	4.5	127
33	Spindle assembly checkpoint activation and silencing at kinetochores. <i>Seminars in Cell and Developmental Biology</i> , 2021, 117, 86-98.	2.3	125
34	APC/CCdh1 Targets Aurora Kinase to Control Reorganization of the Mitotic Spindle at Anaphase. <i>Current Biology</i> , 2008, 18, 1649-1658.	1.8	120
35	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.	2.3	119
36	Characterization and Expression of Mammalian Cyclin B3, a Prepachytene Meiotic Cyclin. <i>Journal of Biological Chemistry</i> , 2002, 277, 41960-41969.	1.6	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. <i>Journal of Cell Biology</i> , 2007, 177, 425-437.	2.3	116
38	Biallelic TRIP13 mutations predispose to Wilms tumor and chromosome missegregation. <i>Nature Genetics</i> , 2017, 49, 1148-1151.	9.4	111
39	The anaphase-promoting complex/cyclosome: APC/C. <i>Journal of Cell Science</i> , 2006, 119, 2401-2404.	1.2	108
40	GFP in mammalian cells. <i>Trends in Genetics</i> , 1995, 11, 326-327.	2.9	106
41	How APC/Cdc20 changes its substrate specificity in mitosis. <i>Nature Cell Biology</i> , 2011, 13, 223-233.	4.6	100
42	The anaphase promoting complex/cyclosome is recruited to centromeres by the spindle assembly checkpoint. <i>Nature Cell Biology</i> , 2004, 6, 892-898.	4.6	94
43	How cyclin A destruction escapes the spindle assembly checkpoint. <i>Journal of Cell Biology</i> , 2010, 190, 501-509.	2.3	88
44	Human replication protein Cdc6 prevents mitosis through a checkpoint mechanism that implicates Chk1. <i>EMBO Journal</i> , 2003, 22, 704-712.	3.5	80
45	Centromere tension: a divisive issue. <i>Nature Cell Biology</i> , 2010, 12, 919-923.	4.6	79
46	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.	0.9	74
47	Arresting developments in cell-cycle control. <i>Trends in Biochemical Sciences</i> , 1994, 19, 143-145.	3.7	74
48	Proteolysis: anytime, any place, anywhere?. <i>Nature Cell Biology</i> , 2005, 7, 731-735.	4.6	71
49	Mad2 and the APC/C compete for the same site on Cdc20 to ensure proper chromosome segregation. <i>Journal of Cell Biology</i> , 2012, 199, 27-37.	2.3	71
50	Mechanisms controlling the temporal degradation of Nek2A and Kif18A by the APC/Cdc20 complex. <i>EMBO Journal</i> , 2013, 32, 303-314.	3.5	61
51	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.	2.3	59
52	Checkpoint on the nuclear frontier. <i>Nature</i> , 1999, 397, 104-105.	13.7	56
53	The Biochemistry of Mitosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a015776.	2.3	47
54	The Mitotic Checkpoint Complex Requires an Evolutionary Conserved Cassette to Bind and Inhibit Active APC/C. <i>Molecular Cell</i> , 2016, 64, 1144-1153.	4.5	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. <i>Journal of Cell Science</i> , 2008, 121, 2319-2326.	1.2	37
56	Torin1 mediated TOR kinase inhibition reduces Wee1 levels and advances mitotic commitment in fission yeast and HeLa cells. <i>Journal of Cell Science</i> , 2014, 127, 1346-56.	1.2	37
57	Cyclin B1-Cdk1 facilitates MAD1 release from the nuclear pore to ensure a robust spindle checkpoint. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	35
58	Human Mob1 proteins are required for cytokinesis by controlling microtubule stability. <i>Journal of Cell Science</i> , 2012, 125, 3085-90.	1.2	30
59	Defining the role of Emi1 in the DNA replication“segregation cycle. <i>Chromosoma</i> , 2008, 117, 333-338.	1.0	27
60	Clear as crystal?. <i>Current Biology</i> , 1993, 3, 544-547.	1.8	26
61	Localization of cell cycle regulators by immunofluorescence. <i>Methods in Enzymology</i> , 1997, 283, 99-113.	0.4	21
62	The Renaissance or the cuckoo clock. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3625-3634.	1.8	19
63	Use of Green Fluorescent Protein in Mouse Embryos. <i>Methods</i> , 2001, 24, 55-60.	1.9	12
64	The Centrosome Opens the Way to Mitosis. <i>Developmental Cell</i> , 2007, 12, 475-477.	3.1	12
65	The APC/C: A SmÅ“rgÅ“sbord for Proteolysis. <i>Molecular Cell</i> , 2009, 34, 135-136.	4.5	12
66	Cyclin-dependent kinase inhibitors: the age of crystals. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1997, 1332, M39-M42.	3.3	10
67	Delayed APC/C activation extends the first mitosis of mouse embryos. <i>Scientific Reports</i> , 2017, 7, 9682.	1.6	10
68	Image integrity and standards. <i>Open Biology</i> , 2020, 10, 200165.	1.5	10
69	Cell cycle-dependent binding between Cyclin B1 and Cdk1 revealed by time-resolved fluorescence correlation spectroscopy. <i>Open Biology</i> , 2022, 12, .	1.5	10
70	Co-activator independent differences in how the metaphase and anaphase APC/C recognise the same substrate. <i>Biology Open</i> , 2014, 3, 904-912.	0.6	9
71	Escaping the firing squad: acetylation of BubR1 protects it from degradation in checkpoint cells. <i>EMBO Journal</i> , 2009, 28, 1991-1993.	3.5	7
72	Assays for the spindle assembly checkpoint in cell culture. <i>Methods in Cell Biology</i> , 2018, 144, 1-13.	0.5	4

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73	A red light in mitosis. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 482-482.	16.1	1
74	Reviewers in 2019. <i>Open Biology</i> , 2020, 10, 200071.	1.5	0
75	Reviewers in 2020. <i>Open Biology</i> , 2021, 11, 210040.	1.5	0