StephenÂ s S Taylor

List of Publications by Year
in descending order

68 papers	10,719 citations	66234 42 h-index	98622 67 g-index
72 all docs	72 docs citations	72 times ranked	10699 citing authors

#	Article	IF	Citations
1	Aurora B couples chromosome alignment with anaphase by targeting BubR1, Mad2, and Cenp-E to kinetochores. Journal of Cell Biology, 2003, 161, 267-280.	2.3	1,117
2	Cancer Cells Display Profound Intra- and Interline Variation following Prolonged Exposure to Antimitotic Drugs. Cancer Cell, 2008, 14, 111-122.	7.7	724
3	The Spindle Assembly Checkpoint. Current Biology, 2012, 22, R966-R980.	1.8	643
4	Aurora-kinase inhibitors as anticancer agents. Nature Reviews Cancer, 2004, 4, 927-936.	12.8	617
5	Polo-like kinase-1 is activated by aurora A to promote checkpoint recovery. Nature, 2008, 455, 119-123.	13.7	596
6	Kinetochore Localization of Murine Bub1 Is Required for Normal Mitotic Timing and Checkpoint Response to Spindle Damage. Cell, 1997, 89, 727-735.	13.5	530
7	Dissecting the role of MPS1 in chromosome biorientation and the spindle checkpoint through the small molecule inhibitor reversine. Journal of Cell Biology, 2010, 190, 73-87.	2.3	447
8	The Human Homologue of Bub3 Is Required for Kinetochore Localization of Bub1 and a Mad3/Bub1-related Protein Kinase. Journal of Cell Biology, 1998, 142, 1-11.	2.3	421
9	How do anti-mitotic drugs kill cancer cells?. Journal of Cell Science, 2009, 122, 2579-2585.	1.2	321
10	The kinase haspin is required for mitotic histone H3 Thr 3 phosphorylation and normal metaphase chromosome alignment. Genes and Development, 2005, 19, 472-488.	2.7	316
11	Bub1 is required for kinetochore localization of BubR1, Cenp-E, Cenp-F and Mad2, and chromosome congression. Journal of Cell Science, 2004, 117, 1577-1589.	1.2	304
12	Sustained Mps1 activity is required in mitosis to recruit O-Mad2 to the Mad1â€“C-Mad2 core complex. Journal of Cell Biology, 2010, 190, 25-34.	2.3	284
13	Validating Aurora B as an anti-cancer drug target. Journal of Cell Science, 2006, 119, 3664-3675.	1.2	280
14	Recognizing and exploiting differences between RNAi and small-molecule inhibitors. Nature Chemical Biology, 2007, 3, 739-744.	3.9	260
15	Truncating APC mutations have dominant effects on proliferation, spindle checkpoint control, survival and chromosome stability. Journal of Cell Science, 2004, 117, 6339-6353.	1.2	199
16	Regulation of APC/C Activity in Oocytes by a Bub1-Dependent Spindle Assembly Checkpoint. Current Biology, 2009, 19, 369-380.	1.8	194
17	Kinetochore localisation and phosphorylation of the mitotic checkpoint components Bub1 and BubR1 are differentially regulated by spindle events in human cells. Journal of Cell Science, 2001, 114, 4385-4395.	1.2	186
18	A Visual Screen of a Gfp-Fusion Library Identifies a New Type of Nuclear Envelope Membrane Protein. Journal of Cell Biology, 1999, 146, 29-44.	2.3	172

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19	Mps1 kinase activity restrains anaphase during an unperturbed mitosis and targets Mad2 to kinetochores. Journal of Cell Biology, 2008, 181, 893-901.	2.3	165
20	Bub1 and aurora B cooperate to maintain BubR1-mediated inhibition of APC/CCdc20. Journal of Cell Science, 2005, 118, 3639-3652.	1.2	162
21	Mitosis and apoptosis: how is the balance set?. Current Opinion in Cell Biology, 2013, 25, 780-785.	2.6	155
22	Aneuploid colon cancer cells have a robust spindle checkpoint. EMBO Reports, 2001, 2, 609-614.	2.0	149
23	Cenp-F Links Kinetochores to Ndel1/Nde1/Lis1/Dynein Microtubule Motor Complexes. Current Biology, 2007, 17, 1173-1179.	1.8	148
24	Polo and Aurora kinasesâ€"lessons derived from chemical biology. Current Opinion in Cell Biology, 2008, 20, 77-84.	2.6	123
25	Farnesylation of Cenp-F is required for G2/M progression and degradation after mitosis. Journal of Cell Science, 2002, 115, 3403-3414.	1.2	121
26	The spindle checkpoint: a quality control mechanism which ensures accurate chromosome segregation. Chromosome Research, 2004, 12, 599-616.	1.0	120
27	Bub1 Maintains Centromeric Cohesion by Activation of the Spindle Checkpoint. Developmental Cell, 2007, 13, 566-579.	3.1	120
28	p31comet-mediated extraction of Mad2 from the MCC promotes efficient mitotic exit. Journal of Cell Science, 2011, 124, 3905-3916.	1.2	116
29	MYC Is a Major Determinant of Mitotic Cell Fate. Cancer Cell, 2015, 28, 129-140.	7.7	110
30	Molecular Basis of Drug Resistance in Aurora Kinases. Chemistry and Biology, 2008, 15, 552-562.	6.2	106
31	BubR1 blocks substrate recruitment to the APC/C in a KEN-box-dependent manner. Journal of Cell Science, 2011, 124, 4332-4345.	1.2	103
32	Farnesylation of Cenp-F is required for G2/M progression and degradation after mitosis. Journal of Cell Science, 2002, 115, 3403-14.	1.2	101
33	Silencing Cenp-F weakens centromeric cohesion, prevents chromosome alignment and activates the spindle checkpoint. Journal of Cell Science, 2005, 118, 4889-4900.	1.2	99
34	Cyclin-B1-mediated inhibition of excess separase is required for timely chromosome disjunction. Journal of Cell Science, 2006, 119, 3325-3336.	1.2	91
35	GSK-3 inhibitors induce chromosome instability. BMC Cell Biology, 2007, 8, 34.	3.0	81
36	DNA Replication Vulnerabilities Render Ovarian Cancer Cells Sensitive to Poly(ADP-Ribose) Glycohydrolase Inhibitors. Cancer Cell, 2019, 35, 519-533.e8.	7.7	79

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37	Mitotic driversâ€”inhibitors of the Aurora B Kinase. Cancer and Metastasis Reviews, 2009, 28, 185-195.	2.7	66
38	A living biobank of ovarian cancer ex vivo models reveals profound mitotic heterogeneity. Nature Communications, 2020, 11, 822.	5.8	62
39	Mcl-1 dynamics influence mitotic slippage and death in mitosis. Oncotarget, 2016, 7, 5176-5192.	0.8	59
40	The Aurora B kinase activity is required for the maintenance of the differentiated state of murine myoblasts. Cell Death and Differentiation, 2009, 16, 321-330.	5.0	51
41	Cdc20 is required for the post-anaphase, KEN-dependent degradation of centromere protein F. Journal of Cell Science, 2010, 123, 321-330.	1.2	51
42	Distinct transcriptional programs stratify ovarian cancer cell lines into the five major histological subtypes. Genome Medicine, 2021, 13, 140.	3.6	49
43	Glucocorticoid receptor regulates accurate chromosome segregation and is associated with malignancy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5479-5484.	3.3	48
44	Sgo1 establishes the centromeric cohesion protection mechanism in G2 before subsequent Bub1-dependent recruitment in mitosis. Journal of Cell Science, 2010, 123, 653-659.	1.2	47
45	Cenp-E inhibitor GSK923295: Novel synthetic route and use as a tool to generate aneuploidy. Oncotarget, 2015, 6, 20921-20932.	0.8	42
46	Cohesion Fatigue Explains Why Pharmacological Inhibition of the APC/C Induces a Spindle Checkpoint-Dependent Mitotic Arrest. PLoS ONE, 2012, 7, e49041.	1.1	40
47	Protein Phosphatase 2A and Separase Form a Complex Regulated by Separase Autocleavage*. Journal of Biological Chemistry, 2007, 282, 24623-24632.	1.6	39
48	Analysis of extrachromosomal structures containing human centromeric alphoid satellite DNA sequences in mouse cells. Chromosoma, 1996, 105, 70-81.	1.0	35
49	Chromosome segregation: Dual control ensures fidelity. Current Biology, 1999, 9, R562-R564.	1.8	34
50	Mitochondrial Targeting of Adenomatous Polyposis Coli Protein Is Stimulated by Truncating Cancer Mutations. Journal of Biological Chemistry, 2008, 283, 5950-5959.	1.6	34
51	Re-evaluating the role of Tao1 in the spindle checkpoint. Chromosoma, 2010, 119, 371-379.	1.0	32
52	Human spermbots for patient-representative 3D ovarian cancer cell treatment. Nanoscale, 2020, 12, 20467-20481.	2.8	31
53	Defining the role of APC in the mitotic spindle checkpoint in vivo: APC-deficient cells are resistant to Taxol. Oncogene, 2010, 29, 6418-6427.	2.6	29
54	Oncogenic MYC amplifies mitotic perturbations. Open Biology, 2019, 9, 190136.	1.5	29

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55	Inhibition of Bcl-xL sensitizes cells to mitotic blockers, but not mitotic drivers. Open Biology, 2016, 6, 160134.	1.5	28
56	The p38Î± Stress Kinase Suppresses Aneuploidy Tolerance by Inhibiting Hif-1Î±. Cell Reports, 2018, 25, 749-760.e6.	2.9	26
57	TP53 loss initiates chromosomal instability in fallopian tube epithelial cells. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	17
58	Addition of functional human telomeres to YACs. Human Molecular Genetics, 1994, 3, 1383-1386.	1.4	16
59	The Ipl1/Aurora Kinase Family: Methods of Inhibition and Functional Analysis in Mammalian Cells. , 2005, 296, 371-382.		13
60	Bub1 Up-Regulation and Hyperphosphorylation Promote Malignant Transformation in SV40 Tagâ€“Induced Transgenic Mouse Models. Molecular Cancer Research, 2006, 4, 957-969.	1.5	13
61	DNA replication stress and emerging prospects for PARG inhibitors in ovarian cancer therapy. Progress in Biophysics and Molecular Biology, 2021, 163, 160-170.	1.4	12
62	Replication catastrophe is responsible for intrinsic PAR glycohydrolase inhibitor-sensitivity in patient-derived ovarian cancer models. Journal of Experimental and Clinical Cancer Research, 2021, 40, 323.	3.5	12
63	Mitotic entry: Non-genetic heterogeneity exposes the requirement for Plk1. Oncotarget, 2015, 6, 36472-36488.	0.8	11
64	A method for linking yeast artificial chromosomes. Nucleic Acids Research, 1996, 24, 4192-4196.	6.5	10
65	Inactivating the spindle checkpoint kinase Bub1 during embryonic development results in a global shutdown of proliferation. BMC Research Notes, 2009, 2, 190.	0.6	9
66	Targeted nanopore sequencing for the identification of ABCB1 promoter translocations in cancer. BMC Cancer, 2020, 20, 1075.	1.1	6
67	Comment on "A Centrosome-Independent Role for Â-TuRC Proteins in the Spindle Assembly Checkpoint". Science, 2007, 316, 982b-982b.	6.0	2
68	Inhibitors of the Bub1 spindle assembly checkpoint kinase: synthesis of BAY-320 and comparison with 2OH-BNPP1. Royal Society Open Science, 2021, 8, 210854.	1.1	2