

# Stephen s S Taylor

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

9,213  
citations

40  
h-index

72  
g-index

72  
ext. papers

10,114  
ext. citations

9.5  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
70	Aurora B couples chromosome alignment with anaphase by targeting BubR1, Mad2, and Cenp-E to kinetochores. <i>Journal of Cell Biology</i> , <b>2003</b> , 161, 267-80	7.3	1021
69	Cancer cells display profound intra- and interline variation following prolonged exposure to antimitotic drugs. <i>Cancer Cell</i> , <b>2008</b> , 14, 111-22	24.3	624
68	Aurora-kinase inhibitors as anticancer agents. <i>Nature Reviews Cancer</i> , <b>2004</b> , 4, 927-36	31.3	564
67	The spindle assembly checkpoint. <i>Current Biology</i> , <b>2012</b> , 22, R966-80	6.3	522
66	Polo-like kinase-1 is activated by aurora A to promote checkpoint recovery. <i>Nature</i> , <b>2008</b> , 455, 119-23	50.4	520
65	Kinetochores localization of murine Bub1 is required for normal mitotic timing and checkpoint response to spindle damage. <i>Cell</i> , <b>1997</b> , 89, 727-35	56.2	488
64	The human homologue of Bub3 is required for kinetochores localization of Bub1 and a Mad3/Bub1-related protein kinase. <i>Journal of Cell Biology</i> , <b>1998</b> , 142, 1-11	7.3	377
63	Dissecting the role of MPS1 in chromosome biorientation and the spindle checkpoint through the small molecule inhibitor reversine. <i>Journal of Cell Biology</i> , <b>2010</b> , 190, 73-87	7.3	355
62	How do anti-mitotic drugs kill cancer cells?. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 2579-85	5.3	279
61	Bub1 is required for kinetochores localization of BubR1, Cenp-E, Cenp-F and Mad2, and chromosome congression. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 1577-89	5.3	267
60	The kinase haspin is required for mitotic histone H3 Thr 3 phosphorylation and normal metaphase chromosome alignment. <i>Genes and Development</i> , <b>2005</b> , 19, 472-88	12.6	259
59	Sustained Mps1 activity is required in mitosis to recruit O-Mad2 to the Mad1-C-Mad2 core complex. <i>Journal of Cell Biology</i> , <b>2010</b> , 190, 25-34	7.3	251
58	Validating Aurora B as an anti-cancer drug target. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 3664-75	5.3	251
57	Recognizing and exploiting differences between RNAi and small-molecule inhibitors. <i>Nature Chemical Biology</i> , <b>2007</b> , 3, 739-44	11.7	211
56	Truncating APC mutations have dominant effects on proliferation, spindle checkpoint control, survival and chromosome stability. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 6339-53	5.3	178
55	A visual screen of a GFP-fusion library identifies a new type of nuclear envelope membrane protein. <i>Journal of Cell Biology</i> , <b>1999</b> , 146, 29-44	7.3	167
54	Regulation of APC/C activity in oocytes by a Bub1-dependent spindle assembly checkpoint. <i>Current Biology</i> , <b>2009</b> , 19, 369-80	6.3	166

53	Kinetochore localisation and phosphorylation of the mitotic checkpoint components Bub1 and BubR1 are differentially regulated by spindle events in human cells. <i>Journal of Cell Science</i> , <b>2001</b> , 114, 4385-4395	5.3	150
52	Bub1 and aurora B cooperate to maintain BubR1-mediated inhibition of APC/CCdc20. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 3639-52	5.3	147
51	Mitosis and apoptosis: how is the balance set?. <i>Current Opinion in Cell Biology</i> , <b>2013</b> , 25, 780-5	9	141
50	Mps1 kinase activity restrains anaphase during an unperturbed mitosis and targets Mad2 to kinetochores. <i>Journal of Cell Biology</i> , <b>2008</b> , 181, 893-901	7.3	140
49	Aneuploid colon cancer cells have a robust spindle checkpoint. <i>EMBO Reports</i> , <b>2001</b> , 2, 609-14	6.5	137
48	Cenp-F links kinetochores to Ndel1/Nde1/Lis1/dynein microtubule motor complexes. <i>Current Biology</i> , <b>2007</b> , 17, 1173-9	6.3	129
47	Polo and Aurora kinases: lessons derived from chemical biology. <i>Current Opinion in Cell Biology</i> , <b>2008</b> , 20, 77-84	9	117
46	The spindle checkpoint: a quality control mechanism which ensures accurate chromosome segregation. <i>Chromosome Research</i> , <b>2004</b> , 12, 599-616	4.4	110
45	Bub1 maintains centromeric cohesion by activation of the spindle checkpoint. <i>Developmental Cell</i> , <b>2007</b> , 13, 566-79	10.2	108
44	p31comet-mediated extraction of Mad2 from the MCC promotes efficient mitotic exit. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 3905-16	5.3	107
43	Farnesylation of Cenp-F is required for G2/M progression and degradation after mitosis. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 3403-3414	5.3	103
42	Molecular basis of drug resistance in aurora kinases. <i>Chemistry and Biology</i> , <b>2008</b> , 15, 552-62		98
41	Farnesylation of Cenp-F is required for G2/M progression and degradation after mitosis. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 3403-14	5.3	95
40	BubR1 blocks substrate recruitment to the APC/C in a KEN-box-dependent manner. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 4332-45	5.3	87
39	MYC Is a Major Determinant of Mitotic Cell Fate. <i>Cancer Cell</i> , <b>2015</b> , 28, 129-40	24.3	85
38	Silencing Cenp-F weakens centromeric cohesion, prevents chromosome alignment and activates the spindle checkpoint. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 4889-900	5.3	85
37	GSK-3 inhibitors induce chromosome instability. <i>BMC Cell Biology</i> , <b>2007</b> , 8, 34		77
36	Cyclin-B1-mediated inhibition of excess separase is required for timely chromosome disjunction. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 3325-36	5.3	77

35	Mitotic drivers--inhibitors of the Aurora B Kinase. <i>Cancer and Metastasis Reviews</i> , <b>2009</b> , 28, 185-95	9.6	55
34	DNA Replication Vulnerabilities Render Ovarian Cancer Cells Sensitive to Poly(ADP-Ribose) Glycohydrolase Inhibitors. <i>Cancer Cell</i> , <b>2019</b> , 35, 519-533.e8	24.3	49
33	Mcl-1 dynamics influence mitotic slippage and death in mitosis. <i>Oncotarget</i> , <b>2016</b> , 7, 5176-92	3.3	44
32	Cdc20 is required for the post-anaphase, KEN-dependent degradation of centromere protein F. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 321-30	5.3	43
31	The Aurora B kinase activity is required for the maintenance of the differentiated state of murine myoblasts. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 321-30	12.7	43
30	Cohesion fatigue explains why pharmacological inhibition of the APC/C induces a spindle checkpoint-dependent mitotic arrest. <i>PLoS ONE</i> , <b>2012</b> , 7, e49041	3.7	36
29	Sgo1 establishes the centromeric cohesion protection mechanism in G2 before subsequent Bub1-dependent recruitment in mitosis. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 653-9	5.3	35
28	Glucocorticoid receptor regulates accurate chromosome segregation and is associated with malignancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5479-84	11.5	34
27	Chromosome segregation: dual control ensures fidelity. <i>Current Biology</i> , <b>1999</b> , 9, R562-4	6.3	33
26	A living biobank of ovarian cancer ex vivo models reveals profound mitotic heterogeneity. <i>Nature Communications</i> , <b>2020</b> , 11, 822	17.4	32
25	Mitochondrial targeting of adenomatous polyposis coli protein is stimulated by truncating cancer mutations: regulation of Bcl-2 and implications for cell survival. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 5950-9	5.4	32
24	Protein phosphatase 2A and separase form a complex regulated by separase autocleavage. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 24623-32	5.4	32
23	Analysis of extrachromosomal structures containing human centromeric alphoid satellite DNA sequences in mouse cells. <i>Chromosoma</i> , <b>1996</b> , 105, 70-81	2.8	32
22	Re-evaluating the role of Tao1 in the spindle checkpoint. <i>Chromosoma</i> , <b>2010</b> , 119, 371-9	2.8	31
21	Defining the role of APC in the mitotic spindle checkpoint in vivo: APC-deficient cells are resistant to Taxol. <i>Oncogene</i> , <b>2010</b> , 29, 6418-27	9.2	26
20	Cenp-E inhibitor GSK923295: Novel synthetic route and use as a tool to generate aneuploidy. <i>Oncotarget</i> , <b>2015</b> , 6, 20921-32	3.3	26
19	Inhibition of Bcl-xL sensitizes cells to mitotic blockers, but not mitotic drivers. <i>Open Biology</i> , <b>2016</b> , 6,	7	18
18	The p38 $\beta$ Stress Kinase Suppresses Aneuploidy Tolerance by Inhibiting Hif-1 $\alpha$ <i>Cell Reports</i> , <b>2018</b> , 25, 749-760.e6	10.6	17

17	Addition of functional human telomeres to YACs. <i>Human Molecular Genetics</i> , <b>1994</b> , 3, 1383-6	5.6	16
16	Oncogenic MYC amplifies mitotic perturbations. <i>Open Biology</i> , <b>2019</b> , 9, 190136	7	11
15	The Ipl1/Aurora kinase family: methods of inhibition and functional analysis in mammalian cells. <i>Methods in Molecular Biology</i> , <b>2005</b> , 296, 371-81	1.4	11
14	Mitotic entry: Non-genetic heterogeneity exposes the requirement for Plk1. <i>Oncotarget</i> , <b>2015</b> , 6, 36472-83	3.8	11
13	Distinct transcriptional programs stratify ovarian cancer cell lines into the five major histological subtypes. <i>Genome Medicine</i> , <b>2021</b> , 13, 140	14.4	11
12	Bub1 up-regulation and hyperphosphorylation promote malignant transformation in SV40 tag-induced transgenic mouse models. <i>Molecular Cancer Research</i> , <b>2006</b> , 4, 957-69	6.6	8
11	Human spermbots for patient-representative 3D ovarian cancer cell treatment. <i>Nanoscale</i> , <b>2020</b> , 12, 20467-20481	7.7	8
10	A method for linking yeast artificial chromosomes. <i>Nucleic Acids Research</i> , <b>1996</b> , 24, 4192-6	20.1	7
9	Inactivating the spindle checkpoint kinase Bub1 during embryonic development results in a global shutdown of proliferation. <i>BMC Research Notes</i> , <b>2009</b> , 2, 190	2.3	5
8	Targeted nanopore sequencing for the identification of ABCB1 promoter translocations in cancer. <i>BMC Cancer</i> , <b>2020</b> , 20, 1075	4.8	4
7	DNA replication stress and emerging prospects for PARG inhibitors in ovarian cancer therapy. <i>Progress in Biophysics and Molecular Biology</i> , <b>2021</b> , 163, 160-170	4.7	3
6	TP53 loss initiates chromosomal instability in fallopian tube epithelial cells. <i>DMM Disease Models and Mechanisms</i> , <b>2021</b> , 14,	4.1	2
5	Comment on "A centrosome-independent role for gamma-TuRC proteins in the spindle assembly checkpoint". <i>Science</i> , <b>2007</b> , 316, 982; author reply 982	33.3	1
4	Inhibitors of the Bub1 spindle assembly checkpoint kinase: Synthesis of BAY-320 and comparison with 2OH-BNPP1		1
3	Replication catastrophe is responsible for intrinsic PAR glycohydrolase inhibitor-sensitivity in patient-derived ovarian cancer models. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2021</b> , 40, 323	12.8	1
2	TP53 loss initiates chromosomal instability in high-grade serous ovarian cancer		1
1	Inhibitors of the Bub1 spindle assembly checkpoint kinase: synthesis of BAY-320 and comparison with 2OH-BNPP1.. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 210854	3.3	1