

The spindle checkpoint: structural insights into dynam

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Citation Report

#	ARTICLE	IF	CITATIONS
1	'Signalling' between chromosomes in crane-fly spermatocytes studied using ultraviolet microbeam irradiation. <i>Chromosome Research</i> , 2003, 11, 771-786.	1.0	18
2	Survivin is required for a sustained spindle checkpoint arrest in response to lack of tension. <i>EMBO Journal</i> , 2003, 22, 2934-2947.	3.5	269
3	Mitotic regulation of the human anaphase-promoting complex by phosphorylation. <i>EMBO Journal</i> , 2003, 22, 6598-6609.	3.5	344
4	Regulation of Cell Cycles in <i>Drosophila</i> Development: Intrinsic and Extrinsic Cues. <i>Annual Review of Genetics</i> , 2003, 37, 545-578.	3.2	94
5	Mutations in the yeast cyclin-dependent kinase Cdc28 reveal a role in the spindle assembly checkpoint. <i>Molecular Genetics and Genomics</i> , 2003, 269, 672-684.	1.0	16
6	<i>S. pombe</i> Aurora Kinase/Survivin Is Required for Chromosome Condensation and the Spindle Checkpoint Attachment Response. <i>Current Biology</i> , 2003, 13, 590-597.	1.8	133
7	Captivating Capture: How Microtubules Attach to Kinetochores. <i>Current Biology</i> , 2003, 13, R449-R460.	1.8	99
8	Regulation of cell division: stop the SIN!. <i>Trends in Cell Biology</i> , 2003, 13, 159-162.	3.6	14
9	Ran in the spindle checkpoint: a new function for a versatile GTPase. <i>Trends in Cell Biology</i> , 2003, 13, 553-557.	3.6	34
10	Metaphase I Arrest upon Activation of the Mad2-Dependent Spindle Checkpoint in Mouse Oocytes. <i>Current Biology</i> , 2003, 13, 1596-1608.	1.8	199
11	Introduction to chromosome dynamics in mitosis. <i>Biology of the Cell</i> , 2003, 95, 507-513.	0.7	10
12	The Spindle Checkpoint: From Normal Cell Division to Tumorigenesis. <i>Archives of Medical Research</i> , 2003, 34, 155-165.	1.5	15
13	Identification of <i>Wolbachia</i> 's host interacting factors through cytological analysis. <i>Microbes and Infection</i> , 2003, 5, 999-1011.	1.0	77
14	Mitosin/CENP-F is a conserved kinetochore protein subjected to cytoplasmic dynein-mediated poleward transport. <i>Cell Research</i> , 2003, 13, 275-283.	5.7	49
15	Deletion of Mia1/Alp7 activates Mad2-dependent spindle assembly checkpoint in fission yeast. <i>Nature Cell Biology</i> , 2003, 5, 764-766.	4.6	26
16	Phosphorylation of Cdc20 is required for its inhibition by the spindle checkpoint. <i>Nature Cell Biology</i> , 2003, 5, 748-753.	4.6	135
17	Ratchets and clocks: the cell cycle, ubiquitylation and protein turnover. <i>Nature Reviews Molecular Cell Biology</i> , 2003, 4, 855-864.	16.1	271
18	Nsl1p is essential for the establishment of bipolarity and the localization of the Dam-Duo complex. <i>EMBO Journal</i> , 2003, 22, 6584-6597.	3.5	27

#	ARTICLE	IF	CITATIONS
19	Aurora B couples chromosome alignment with anaphase by targeting BubR1, Mad2, and Cenp-E to kinetochores. <i>Journal of Cell Biology</i> , 2003, 161, 267-280.	2.3	1,117
20	Under arrest: cytosstatic factor (CSF)-mediated metaphase arrest in vertebrate eggs. <i>Genes and Development</i> , 2003, 17, 683-710.	2.7	222
21	Un MÃ©nage Å Quatre. <i>Cell</i> , 2003, 112, 423-440.	13.5	679
22	Centromeres and Kinetochores. <i>Cell</i> , 2003, 112, 407-421.	13.5	926
23	Cell-cycle dysregulation and anticancer therapy. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 139-145.	4.0	294
24	A complete inventory of fungal kinesins in representative filamentous ascomycetes. <i>Fungal Genetics and Biology</i> , 2003, 39, 1-15.	0.9	54
25	The CCT Chaperonin Promotes Activation of the Anaphase-Promoting Complex through the Generation of Functional Cdc20. <i>Molecular Cell</i> , 2003, 12, 87-100.	4.5	170
26	The Ran GTPase Regulates Kinetochores Function. <i>Developmental Cell</i> , 2003, 5, 99-111.	3.1	131
27	An Mtw1 Complex Promotes Kinetochores Biorientation that Is Monitored by the Ipl1/Aurora Protein Kinase. <i>Developmental Cell</i> , 2003, 5, 735-745.	3.1	94
28	Survivin is required for stable checkpoint activation in taxol-treated HeLa cells. <i>Journal of Cell Science</i> , 2003, 116, 2987-2998.	1.2	300
29	Analysis of Bub3 spindle checkpoint function in <i>Xenopus</i> egg extracts. <i>Journal of Cell Science</i> , 2003, 116, 617-628.	1.2	19
30	Transcriptional Regulation of Mitotic Checkpoint Gene MAD1 by p53. <i>Journal of Biological Chemistry</i> , 2003, 278, 37439-37450.	1.6	48
31	Human Artificial Chromosomes with Alpha Satellite-Based De Novo Centromeres Show Increased Frequency of Nondisjunction and Anaphase Lag. <i>Molecular and Cellular Biology</i> , 2003, 23, 7689-7697.	1.1	50
32	Nuclear Localization of the Cell Cycle Regulator CDH1 and Its Regulation by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2003, 278, 12530-12536.	1.6	72
33	The Serine/Threonine Kinase Nek6 Is Required for Cell Cycle Progression through Mitosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 52454-52460.	1.6	100
34	Recognizing Chromosomes in Trouble: Association of the Spindle Checkpoint Protein Bub3p with Altered Kinetochores and a Unique Defective Centromere. <i>Molecular and Cellular Biology</i> , 2003, 23, 6406-6418.	1.1	20
35	The Spindle Assembly and Spindle Position Checkpoints. <i>Annual Review of Genetics</i> , 2003, 37, 251-282.	3.2	236
36	Mnd2 and Swm1 Are Core Subunits of the <i>Saccharomyces cerevisiae</i> Anaphase-promoting Complex. <i>Journal of Biological Chemistry</i> , 2003, 278, 16698-16705.	1.6	52

#	ARTICLE	IF	CITATIONS
37	Yaf9, a Novel NuA4 Histone Acetyltransferase Subunit, Is Required for the Cellular Response to Spindle Stress in Yeast. <i>Molecular and Cellular Biology</i> , 2003, 23, 6086-6102.	1.1	92
38	Budding yeast PAK kinases regulate mitotic exit by two different mechanisms. <i>Journal of Cell Biology</i> , 2003, 160, 857-874.	2.3	27
39	Loss of Mitotic Spindle Checkpoint Activity Predisposes to Chromosomal Instability at Early Stages of Fibrosarcoma Development. <i>Cell Cycle</i> , 2003, 2, 237-241.	1.3	11
40	Fine Tuning of Kinetochor Function by Phosphorylation. <i>Cell Cycle</i> , 2003, 2, 227-228.	1.3	1
41	Sim4. <i>Journal of Cell Biology</i> , 2003, 161, 295-307.	2.3	107
42	The Complexity of Bub1 Regulation: Phosphorylation, Phosphorylation, Phosphorylation. <i>Cell Cycle</i> , 2003, 2, 118-119.	1.3	4
43	Human Mps1 protein kinase is required for centrosome duplication and normal mitotic progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14875-14880.	3.3	174
44	The Survivin/Aurora B Complex: Its Role in Coordinating Tension and Attachment. <i>Cell Cycle</i> , 2003, 2, 507-510.	1.3	71
45	Cell cycle control, DNA damage checkpoints and cancer. <i>Annals of Medicine</i> , 2003, 35, 391-397.	1.5	48
46	The Role of Mitotic Checkpoint in Maintaining Genomic Stability. <i>Current Topics in Developmental Biology</i> , 2003, 58, 27-51.	1.0	8
47	Differential expression, localization and activity of two alternatively spliced isoforms of human APC regulator CDH1. <i>Biochemical Journal</i> , 2003, 374, 349-358.	1.7	22
48	BUBR1 deficiency results in abnormal megakaryopoiesis. <i>Blood</i> , 2003, 103, 1278-1285.	0.6	159
49	Functional Analysis of APC-Cdh1. , 2004, 281, 189-198.		3
50	Analyzing the Spindle Checkpoint in Yeast and Frogs. , 2004, 280, 083-098.		4
51	Sister-chromatid cohesion mediated by the alternative RF-CCtf18/Dcc1/Ctf8, the helicase Chl1 and the polymerase- α -associated protein Ctf4 is essential for chromatid disjunction during meiosis II. <i>Journal of Cell Science</i> , 2004, 117, 3547-3559.	1.2	130
52	Survivin dynamics increases at centromeres during G2/M phase transition and is regulated by microtubule-attachment and Aurora B kinase activity. <i>Journal of Cell Science</i> , 2004, 117, 4033-4042.	1.2	90
53	The <i>Caenorhabditis elegans</i> Kinetochore Reorganizes at Prometaphase and in Response to Checkpoint Stimuli. <i>Molecular Biology of the Cell</i> , 2004, 15, 5187-5196.	0.9	11
54	Changes in the Localization of the <i>Saccharomyces cerevisiae</i> Anaphase-Promoting Complex Upon Microtubule Depolymerization and Spindle Checkpoint Activation. <i>Genetics</i> , 2004, 167, 1079-1094.	1.2	18

#	ARTICLE	IF	CITATIONS
55	Truncating APC mutations have dominant effects on proliferation, spindle checkpoint control, survival and chromosome stability. <i>Journal of Cell Science</i> , 2004, 117, 6339-6353.	1.2	199
56	Swm1/Apc13 Is an Evolutionarily Conserved Subunit of the Anaphase-Promoting Complex Stabilizing the Association of Cdc16 and Cdc27. <i>Molecular and Cellular Biology</i> , 2004, 24, 3562-3576.	1.1	62
57	Kinetochores Targeting of Fission Yeast Mad and Bub Proteins Is Essential for Spindle Checkpoint Function but Not for All Chromosome Segregation Roles of Bub1p. <i>Molecular and Cellular Biology</i> , 2004, 24, 9786-9801.	1.1	72
58	A Tel1/MRX-Dependent Checkpoint Inhibits the Metaphase-to-Anaphase Transition after UV Irradiation in the Absence of Mec1. <i>Molecular and Cellular Biology</i> , 2004, 24, 10126-10144.	1.1	41
59	Functional Characterization of Dma1 and Dma2, the Budding Yeast Homologues of <i>Schizosaccharomyces pombe</i> Dma1 and Human Chfr. <i>Molecular Biology of the Cell</i> , 2004, 15, 3796-3810.	0.9	53
60	Slippage of Mitotic Arrest and Enhanced Tumor Development in Mice with BubR1 Haploinsufficiency. <i>Cancer Research</i> , 2004, 64, 440-445.	0.4	283
61	The spindle assembly checkpoint is not essential for CSF arrest of mouse oocytes. <i>Journal of Cell Biology</i> , 2004, 167, 1037-1050.	2.3	141
62	Depletion of Centromeric MCAK Leads to Chromosome Congestion and Segregation Defects Due to Improper Kinetochores Attachments. <i>Molecular Biology of the Cell</i> , 2004, 15, 1146-1159.	0.9	252
63	Kinetochores Localization of Spindle Checkpoint Proteins: Who Controls Whom?. <i>Molecular Biology of the Cell</i> , 2004, 15, 4584-4596.	0.9	181
64	Identification of Two Novel Components of the Human NDC80 Kinetochores Complex. <i>Journal of Biological Chemistry</i> , 2004, 279, 13076-13085.	1.6	101
65	A Field Guide to the Mps1 Family of Protein Kinases. <i>Cell Cycle</i> , 2004, 3, 437-440.	1.3	47
66	Defective Control of Mitotic and Post-mitotic Checkpoints in Poly(ADP-ribose) Polymerase-1/-Fibroblasts After Mitotic Spindle Disruption. <i>Cell Cycle</i> , 2004, 3, 333-340.	1.3	18
67	Spindle checkpoint regulates Cdc20p stability in <i>Saccharomyces cerevisiae</i> . <i>Genes and Development</i> , 2004, 18, 1439-1451.	2.7	116
68	Life, Death, and Tax: Role of HTLV-I Oncoprotein in Genetic Instability and Cellular Transformation. <i>Journal of Biological Chemistry</i> , 2004, 279, 31991-31994.	1.6	154
69	Short Duration of Elevated vIRF-1 Expression during Lytic Replication of Human Herpesvirus 8 Limits Its Ability To Block Antiviral Responses Induced by Alpha Interferon in BCBL-1 Cells. <i>Journal of Virology</i> , 2004, 78, 6621-6635.	1.5	49
70	Bub1 is required for kinetochores localization of BubR1, Cenp-E, Cenp-F and Mad2, and chromosome congression. <i>Journal of Cell Science</i> , 2004, 117, 1577-1589.	1.2	304
71	Bipolar orientation of chromosomes in <i>Saccharomyces cerevisiae</i> is monitored by Mad1 and Mad2, but not by Mad3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10655-10660.	3.3	30
72	Human Bub1 protects centromeric sister-chromatid cohesion through Shugoshin during mitosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 18012-18017.	3.3	240

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73	Gene Silencing of CENP-E by Small Interfering RNA in HeLa Cells Leads to Missegregation of Chromosomes after a Mitotic Delay. <i>Molecular Biology of the Cell</i> , 2004, 15, 3771-3781.	0.9	113
74	Turning it on and off: M-phase promoting factor during meiotic maturation and fertilization. <i>Molecular Human Reproduction</i> , 2004, 10, 1-5.	1.3	171
75	Different spindle checkpoint proteins monitor microtubule attachment and tension at kinetochores in <i>Drosophila</i> cells. <i>Journal of Cell Science</i> , 2004, 117, 1757-1771.	1.2	100
76	Probing the precision of the mitotic clock with a live-cell fluorescent biosensor. <i>Nature Biotechnology</i> , 2004, 22, 306-312.	9.4	38
77	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
78	From spindle checkpoint to cancer. <i>Nature Genetics</i> , 2004, 36, 1144-1145.	9.4	28
79	Aurora-kinase inhibitors as anticancer agents. <i>Nature Reviews Cancer</i> , 2004, 4, 927-936.	12.8	617
80	The SCF ubiquitin ligase: insights into a molecular machine. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 739-751.	16.1	983
81	Conformation-specific binding of p31comet antagonizes the function of Mad2 in the spindle checkpoint. <i>EMBO Journal</i> , 2004, 23, 3133-3143.	3.5	177
82	HAT cofactor Trrap regulates the mitotic checkpoint by modulation of Mad1 and Mad2 expression. <i>EMBO Journal</i> , 2004, 23, 4824-4834.	3.5	51
83	Sgt1 is required for human kinetochore assembly. <i>EMBO Reports</i> , 2004, 5, 626-631.	2.0	76
84	The spindle checkpoint, aneuploidy, and cancer. <i>Oncogene</i> , 2004, 23, 2016-2027.	2.6	475
85	Sil overexpression in lung cancer characterizes tumors with increased mitotic activity. <i>Oncogene</i> , 2004, 23, 5371-5377.	2.6	53
86	Gene expression profiling of 1p35-36 genes in neuroblastoma. <i>Oncogene</i> , 2004, 23, 5912-5922.	2.6	60
87	The Mad2 spindle checkpoint protein has two distinct natively folded states. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 338-345.	3.6	263
88	Guardian spirit blesses meiosis. <i>Nature</i> , 2004, 427, 495-497.	13.7	1
89	Two Fission Yeast Homologs of <i>Drosophila</i> Mei-S332 Are Required for Chromosome Segregation during Meiosis I and II. <i>Current Biology</i> , 2004, 14, 287-301.	1.8	203
90	The RanGAP1-RanBP2 Complex Is Essential for Microtubule-Kinetochore Interactions In Vivo. <i>Current Biology</i> , 2004, 14, 611-617.	1.8	329

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91	Spindle Checkpoint Protein Dynamics at Kinetochores in Living Cells. <i>Current Biology</i> , 2004, 14, 953-964.	1.8	328
92	Laser Microsurgery in Fission Yeast. <i>Current Biology</i> , 2004, 14, 1330-1340.	1.8	108
93	APC/C and SCF: Controlling Each Other and the Cell Cycle. <i>Current Biology</i> , 2004, 14, R787-R796.	1.8	254
94	Roles of Polo-like Kinase 1 in the Assembly of Functional Mitotic Spindles. <i>Current Biology</i> , 2004, 14, 1712-1722.	1.8	312
95	Kinetochores and heterochromatin domains of the fission yeast centromere. <i>Chromosome Research</i> , 2004, 12, 521-534.	1.0	122
96	Kinetochores' microtubule interactions during cell division. <i>Chromosome Research</i> , 2004, 12, 585-597.	1.0	28
97	The spindle checkpoint: a quality control mechanism which ensures accurate chromosome segregation. <i>Chromosome Research</i> , 2004, 12, 599-616.	1.0	120
98	Characterization of the genes encoding for MAD2 homologues in wheat. <i>Chromosome Research</i> , 2004, 12, 703-714.	1.0	23
99	Spindle checkpoint and apoptotic response in γ -particle transformed human bronchial epithelial cells. <i>Radiation and Environmental Biophysics</i> , 2004, 43, 257-263.	0.6	3
100	TopBP1 localises to centrosomes in mitosis and to chromosome cores in meiosis. <i>Chromosoma</i> , 2004, 112, 323-330.	1.0	38
101	Kinetochores localization and microtubule interaction of the human spindle checkpoint kinase Mps1. <i>Chromosoma</i> , 2004, 113, 1-15.	1.0	74
102	The yeast rRNA biosynthesis factor Ebp2p is also required for efficient nuclear division. <i>Yeast</i> , 2004, 21, 1219-1232.	0.8	8
103	Functions of DNA Polymerases. <i>Advances in Protein Chemistry</i> , 2004, 69, 137-165.	4.4	225
104	Lessons from the Genome Sequence of <i>Neurospora crassa</i> : Tracing the Path from Genomic Blueprint to Multicellular Organism. <i>Microbiology and Molecular Biology Reviews</i> , 2004, 68, 1-108.	2.9	572
105	Spindles, mitochondria and redox potential in ageing oocytes. <i>Reproductive BioMedicine Online</i> , 2004, 8, 45-58.	1.1	233
106	The dynamic kinetochores-microtubule interface. <i>Journal of Cell Science</i> , 2004, 117, 5461-5477.	1.2	346
107	Possible causes of chromosome instability: comparison of chromosomal abnormalities in cancer cell lines with mutations in BRCA1, BRCA2, CHK2 and BUB1. <i>Cytogenetic and Genome Research</i> , 2004, 104, 333-340.	0.6	38
110	Kinetochores Orientation in Mitosis and Meiosis. <i>Cell</i> , 2004, 119, 317-327.	13.5	108

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111	Timing and Checkpoints in the Regulation of Mitotic Progression. <i>Developmental Cell</i> , 2004, 7, 45-60.	3.1	434
112	WD repeat-containing mitotic checkpoint proteins act as transcriptional repressors during interphase. <i>FEBS Letters</i> , 2004, 575, 23-29.	1.3	39
113	Ca ²⁺ -promoted cyclin B1 degradation in mouse oocytes requires the establishment of a metaphase arrest. <i>Developmental Biology</i> , 2004, 269, 206-219.	0.9	60
114	Phosphorylation of Cdc20 by Bub1 Provides a Catalytic Mechanism for APC/C Inhibition by the Spindle Checkpoint. <i>Molecular Cell</i> , 2004, 16, 387-397.	4.5	257
115	Structural biology of cell-cycle proteins. <i>Drug Discovery Today: TARGETS</i> , 2004, 3, 136-142.	0.5	2
116	Recycling the Cell Cycle. <i>Cell</i> , 2004, 116, 221-234.	13.5	968
117	Dynamics of Centromere and Kinetochore Proteins. <i>Current Biology</i> , 2004, 14, 942-952.	1.8	170
118	RNA Interference, Heterochromatin, and Centromere Function. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2004, 69, 389-396.	2.0	10
119	Differential Kinetochore Requirements for Establishment and Maintenance of the Spindle Checkpoint Are Dependent on the Mechanism of Checkpoint Activation in <i>Saccharomyces cerevisiae</i> . <i>Cell Cycle</i> , 2004, 3, 192-199.	1.3	12
120	Architectural Organization of the Regulatory Machinery for Transcription, Replication, and Repair: Dynamic Temporal-Spatial Parameters of Cell Cycle Control. , 2004, , 15-92.		0
121	Human protein phosphatase 5 dissociates from heat-shock proteins and is proteolytically activated in response to arachidonic acid and the microtubule-depolymerizing drug nocodazole. <i>Biochemical Journal</i> , 2005, 385, 45-56.	1.7	36
122	Mechanisms and chemical induction of aneuploidy in rodent germ cells. <i>Cytogenetic and Genome Research</i> , 2005, 111, 384-391.	0.6	10
123	Proteolysis: anytime, any place, anywhere?. <i>Nature Cell Biology</i> , 2005, 7, 731-735.	4.6	71
124	A dual role for Bub1 in the spindle checkpoint and chromosome congression. <i>EMBO Journal</i> , 2005, 24, 1621-1633.	3.5	192
125	Ablation of the spindle assembly checkpoint by a compound targeting Mps1. <i>EMBO Reports</i> , 2005, 6, 866-872.	2.0	101
126	Anaphase-promoting complex-dependent proteolysis of cell cycle regulators and genomic instability of cancer cells. <i>Oncogene</i> , 2005, 24, 1-10.	2.6	119
127	Regulation of cell cycle checkpoints by polo-like kinases. <i>Oncogene</i> , 2005, 24, 277-286.	2.6	107
128	Identification of a novel centrosome/microtubule-associated coiled-coil protein involved in cell-cycle progression and spindle organization. <i>Oncogene</i> , 2005, 24, 1159-1173.	2.6	49

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129	Aurora kinases: shining lights on the therapeutic horizon?. <i>Oncogene</i> , 2005, 24, 5005-5015.	2.6	175
130	Impact of HTLV-I Tax on cell cycle progression and the cellular DNA damage repair response. <i>Oncogene</i> , 2005, 24, 5986-5995.	2.6	171
131	Molecular mechanisms of cellular transformation by HTLV-1 Tax. <i>Oncogene</i> , 2005, 24, 5976-5985.	2.6	365
132	The more MAD, the merrier. <i>Nature</i> , 2005, 434, 575-577.	13.7	11
133	Induction of apoptosis by an inhibitor of the mitotic kinesin KSP requires both activation of the spindle assembly checkpoint and mitotic slippage. <i>Cancer Cell</i> , 2005, 8, 49-59.	7.7	260
134	The mitotic checkpoint in cancer and aging: what have mice taught us?. <i>Current Opinion in Cell Biology</i> , 2005, 17, 583-589.	2.6	87
135	The Mad1/Mad2 Complex as a Template for Mad2 Activation in the Spindle Assembly Checkpoint. <i>Current Biology</i> , 2005, 15, 214-225.	1.8	376
136	Checkpoint Signalling: Mad2 Conformers and Signal Propagation. <i>Current Biology</i> , 2005, 15, R122-R124.	1.8	25
137	Recruitment of Mad2 to the Kinetochores Requires the Rod/Zw10 Complex. <i>Current Biology</i> , 2005, 15, 856-861.	1.8	179
138	A Small-Molecule Inhibitor of Mps1 Blocks the Spindle-Checkpoint Response to a Lack of Tension on Mitotic Chromosomes. <i>Current Biology</i> , 2005, 15, 1070-1076.	1.8	79
139	Polo-like Kinase 1 Creates the Tension-Sensing 3F3/2 Phosphoepitope and Modulates the Association of Spindle-Checkpoint Proteins at Kinetochores. <i>Current Biology</i> , 2005, 15, 1078-1089.	1.8	140
140	Bub1 and the multilayered inhibition of Cdc20/APC/C in mitosis. <i>Trends in Cell Biology</i> , 2005, 15, 231-233.	3.6	24
141	Rod/Zw10/Zwilch: a key player in the spindle checkpoint. <i>Trends in Cell Biology</i> , 2005, 15, 386-392.	3.6	189
142	Non-invasive method to assess genotoxicity of nocodazole interfering with spindle formation in mammalian oocytes. <i>Reproductive Toxicology</i> , 2005, 19, 459-471.	1.3	34
143	Shugoshin: a centromeric guardian senses tension. <i>BioEssays</i> , 2005, 27, 588-591.	1.2	11
144	Progress in the Discovery of Polo-like Kinase Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2005, 5, 181-197.	1.0	114
145	Proteome Analysis of the Human Mitotic Spindle. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 35-43.	2.5	225
146	RNA interference in meiosis I human oocytes: towards an understanding of human aneuploidy. <i>Molecular Human Reproduction</i> , 2005, 11, 397-404.	1.3	21

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147	Silencing Mitosis Induces Misaligned Chromosomes, Premature Chromosome Decondensation before Anaphase Onset, and Mitotic Cell Death. <i>Molecular and Cellular Biology</i> , 2005, 25, 4062-4074.	1.1	86
148	The Drosophila Bub3 protein is required for the mitotic checkpoint and for normal accumulation of cyclins during G2 and early stages of mitosis. <i>Journal of Cell Science</i> , 2005, 118, 187-198.	1.2	38
149	The Centromeric Protein Sgo1 Is Required to Sense Lack of Tension on Mitotic Chromosomes. <i>Science</i> , 2005, 307, 130-133.	6.0	167
150	Merotelic kinetochores in mammalian tissue cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 553-568.	1.8	104
151	Explaining the oligomerization properties of the spindle assembly checkpoint protein Mad2. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 637-648.	1.8	31
152	Ran GTPase Regulates Mad2 Localization to the Nuclear Pore Complex. <i>Eukaryotic Cell</i> , 2005, 4, 274-280.	3.4	16
153	Genetic Analysis of the Kinetochores DASH Complex Reveals an Antagonistic Relationship with the Ras/Protein Kinase A Pathway and a Novel Subunit Required for Ask1 Association. <i>Molecular and Cellular Biology</i> , 2005, 25, 767-778.	1.1	29
154	Aneuploidy-Cancer Predisposition Syndromes: A New Link between the Mitotic Spindle Checkpoint and Cancer. <i>Cell Cycle</i> , 2005, 4, 228-230.	1.3	72
155	Large-Scale Purification of the Vertebrate Anaphase-Promoting Complex/Cyclosome. <i>Methods in Enzymology</i> , 2005, 398, 175-195.	0.4	17
156	Identification of Cell Cycle-Dependent Phosphorylation Sites on the Anaphase-Promoting Complex/Cyclosome by Mass Spectrometry. <i>Methods in Enzymology</i> , 2005, 398, 231-245.	0.4	16
157	Purification and Assay of Mad2: A Two-State Inhibitor of Anaphase-Promoting Complex/Cyclosome. <i>Methods in Enzymology</i> , 2005, 398, 246-255.	0.4	3
158	Bub1 and aurora B cooperate to maintain BubR1-mediated inhibition of APC/CCdc20. <i>Journal of Cell Science</i> , 2005, 118, 3639-3652.	1.2	162
160	From The Cover: Evaluating putative mechanisms of the mitotic spindle checkpoint. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6332-6337.	3.3	64
161	Maternal expression of the checkpoint protein BubR1 is required for synchrony of syncytial nuclear divisions and polar body arrest in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2005, 132, 4509-4520.	1.2	34
162	Cellular Checkpoint Mechanisms Monitoring Proper Initiation of DNA Replication. <i>Journal of Biological Chemistry</i> , 2005, 280, 6253-6256.	1.6	22
163	The 1.1-Å... Structure of the Spindle Checkpoint Protein Bub3p Reveals Functional Regions. <i>Journal of Biological Chemistry</i> , 2005, 280, 13944-13951.	1.6	27
164	The C-Terminal Half of <i>Saccharomyces cerevisiae</i> Mad1p Mediates Spindle Checkpoint Function, Chromosome Transmission Fidelity and CEN Association. <i>Genetics</i> , 2005, 170, 509-517.	1.2	16
165	Architecture of the Human Ndc80-Hec1 Complex, a Critical Constituent of the Outer Kinetochores. <i>Journal of Biological Chemistry</i> , 2005, 280, 29088-29095.	1.6	157

#	ARTICLE	IF	CITATIONS
166	Sil Phosphorylation in a Pin1 Binding Domain Affects the Duration of the Spindle Checkpoint. <i>Molecular and Cellular Biology</i> , 2005, 25, 6660-6672.	1.1	40
167	BRCA1 Regulates Gene Expression for Orderly Mitotic Progression. <i>Cell Cycle</i> , 2005, 4, 1641-1666.	1.3	62
168	Transcriptional Control of BubR1 by p53 and Suppression of Centrosome Amplification by BubR1. <i>Molecular and Cellular Biology</i> , 2005, 25, 4046-4061.	1.1	60
169	The Constitutive Centromere Component CENP-50 Is Required for Recovery from Spindle Damage. <i>Molecular and Cellular Biology</i> , 2005, 25, 10315-10328.	1.1	69
170	Mad2 is required for inhibiting securin and cyclin B degradation following spindle depolymerisation in meiosis I mouse oocytes. <i>Reproduction</i> , 2005, 130, 829-843.	1.1	97
171	Post-ovulatory aging of mouse oocytes leads to decreased MAD2 transcripts and increased frequencies of premature centromere separation and anaphase. <i>Molecular Human Reproduction</i> , 2005, 11, 623-630.	1.3	58
172	Mitotic Checkpoint: A Therapeutic Target in the Treatment of Human Cancer. <i>Letters in Drug Design and Discovery</i> , 2005, 2, 97-104.	0.4	0
173	Mad3/BubR1 Phosphorylation during Spindle Checkpoint Activation Depends on both Polo and Aurora Kinases in Budding Yeast. <i>Cell Cycle</i> , 2005, 4, 972-980.	1.3	30
174	Newly identified roles for an old guardian: Profound deficiency of the mitotic spindle checkpoint protein BubR1 leads to early aging and infertility. <i>Cancer Biology and Therapy</i> , 2005, 4, 172-173.	1.5	8
175	Restaging the Spindle Assembly Checkpoint in Female Mammalian Meiosis I. <i>Cell Cycle</i> , 2005, 4, 650-653.	1.3	24
176	Spindle Checkpoint Maintenance Requires Ame1 and Okp1. <i>Cell Cycle</i> , 2005, 4, 1448-1456.	1.3	29
177	Aneuploidy in mouse metaphase II oocytes exposed in vivo and in vitro in preantral follicle culture to nocodazole. <i>Mutagenesis</i> , 2005, 20, 65-75.	1.0	24
178	Bub1 Multitasking in Mitosis. <i>Cell Cycle</i> , 2005, 4, 261-264.	1.3	41
179	Rewiring the Exit from Mitosis. <i>Cell Cycle</i> , 2005, 4, 4107-4112.	1.3	17
180	The Mitotic Checkpoint in Cancer Therapy. <i>Cell Cycle</i> , 2005, 4, 1495-1499.	1.3	40
181	Aneuploidy: a matter of bad connections. <i>Trends in Cell Biology</i> , 2005, 15, 442-451.	3.6	109
182	Partial downregulation of MAD1 causes spindle checkpoint inactivation and aneuploidy, but does not confer resistance towards taxol. <i>Oncogene</i> , 2005, 24, 4301-4310.	2.6	82
183	Spindle abnormalities in normally developing and arrested human preimplantation embryos in vitro identified by confocal laser scanning microscopy. <i>Human Reproduction</i> , 2005, 20, 672-682.	0.4	96

#	ARTICLE	IF	CITATIONS
184	CENP-A Is Required for Accurate Chromosome Segregation and Sustained Kinetochores Association of BubR1. <i>Molecular and Cellular Biology</i> , 2005, 25, 3967-3981.	1.1	168
185	Plx1 is the 3F3/2 kinase responsible for targeting spindle checkpoint proteins to kinetochores. <i>Journal of Cell Biology</i> , 2005, 170, 709-719.	2.3	57
186	Mad2 prevents aneuploidy and premature proteolysis of cyclin B and securin during meiosis I in mouse oocytes. <i>Genes and Development</i> , 2005, 19, 202-207.	2.7	189
187	Intracellular disruption of mitochondria in a living HeLa cell with a 76-MHz femtosecond laser oscillator. <i>Optics Express</i> , 2005, 13, 9869.	1.7	70
188	Centrioles resist forces applied on centrosomes during G2/M transition. <i>Biology of the Cell</i> , 2005, 97, 425-434.	0.7	55
189	Roles of DNA Polymerases in Replication, Repair, and Recombination in Eukaryotes. <i>International Review of Cytology</i> , 2006, 255, 41-132.	6.2	112
190	Ran at a glance. <i>Journal of Cell Science</i> , 2006, 119, 3481-3484.	1.2	71
191	Mechanisms for Chromosome and Plasmid Segregation. <i>Annual Review of Biochemistry</i> , 2006, 75, 211-241.	5.0	80
192	Aurora Kinases: New Targets for Cancer Therapy. <i>Clinical Cancer Research</i> , 2006, 12, 6869-6875.	3.2	258
193	The spindle assembly checkpoint: Preventing chromosome mis-segregation during mitosis and meiosis. <i>FEBS Letters</i> , 2006, 580, 2888-2895.	1.3	69
194	The NoCut Pathway Links Completion of Cytokinesis to Spindle Midzone Function to Prevent Chromosome Breakage. <i>Cell</i> , 2006, 125, 85-98.	13.5	267
195	Depression of MAD2 inhibits apoptosis of gastric cancer cells by upregulating Bcl-2 and interfering mitochondrion pathway. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 1092-1098.	1.0	27
196	PP2A Is Required for Centromeric Localization of Sgo1 and Proper Chromosome Segregation. <i>Developmental Cell</i> , 2006, 10, 575-585.	3.1	320
198	Purification of mitotic spindles from cultured human cells. <i>Methods</i> , 2006, 38, 25-28.	1.9	19
199	Cell Cycle Targets of Histone Deacetylase Inhibitors. , 2006, , 299-313.		1
200	A new Mad2-interacting domain of Cdc20 is critical for the function of Mad2-Cdc20 complex in the spindle assembly checkpoint. <i>Biochemical Journal</i> , 2006, 396, 243-253.	1.7	19
202	The anaphase promoting complex/cyclosome: a machine designed to destroy. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 644-656.	16.1	1,140
203	A role for the Rab6 GTPase in the inactivation of the Mad2-spindle checkpoint. <i>EMBO Journal</i> , 2006, 25, 278-289.	3.5	71

#	ARTICLE	IF	CITATIONS
204	Determinants of conformational dimerization of Mad2 and its inhibition by p31comet. EMBO Journal, 2006, 25, 1273-1284.	3.5	124
205	Misorientation and reduced stretching of aligned sister kinetochores promote chromosome missegregation in EB1- or APC-depleted cells. EMBO Journal, 2006, 25, 2814-2827.	3.5	150
206	Timely anaphase onset requires a novel spindle and kinetochore complex comprising Ska1 and Ska2. EMBO Journal, 2006, 25, 5504-5515.	3.5	220
207	QN1/KIAA1009: a new essential protein for chromosome segregation and mitotic spindle assembly. Oncogene, 2006, 25, 1887-1895.	2.6	14
208	The N-terminus of rodent and human MAD1 confers species-specific stringency to spindle assembly checkpoint. Oncogene, 2006, 25, 2137-2147.	2.6	31
209	Protein kinases controlling the onset of mitosis. Cellular and Molecular Life Sciences, 2006, 63, 781-795.	2.4	52
210	Mitotin/CENP-F in mitosis, transcriptional control, and differentiation. Journal of Biomedical Science, 2006, 13, 205-213.	2.6	56
211	Interaction between HP1 and replication proteins in mammalian cells. Experimental Cell Research, 2006, 312, 3349-3359.	1.2	44
212	In Vitro FRAP Identifies the Minimal Requirements for Mad2 Kinetochore Dynamics. Current Biology, 2006, 16, 755-766.	1.8	248
213	Checkpoint Activation: Don't Get Mad Too Much. Current Biology, 2006, 16, R412-R414.	1.8	14
214	Mitosis: a matter of getting rid of the right protein at the right time. Trends in Cell Biology, 2006, 16, 55-63.	3.6	229
215	Inhibitors of Mitotic Kinesins: Next-Generation Antimitotics. ChemMedChem, 2006, 1, 293-298.	1.6	46
216	Monoallelic BUB1B mutations and defective mitotic-spindle checkpoint in seven families with premature chromatid separation (PCS) syndrome. American Journal of Medical Genetics, Part A, 2006, 140A, 358-367.	0.7	144
217	Preventing Fatal Destruction: Inhibitors of the Anaphase-Promoting Complex in Meiosis. Cell Cycle, 2006, 5, 405-415.	1.3	27
218	An Extended Anaphase Signaling Pathway for Mad2p Includes Microtubule Organizing Center Proteins and Multiple Motor-dependent Transitions. Cell Cycle, 2006, 5, 1456-1463.	1.3	23
219	Exploiting the Compromised Spindle Assembly Checkpoint Function of Tumor Cells: Dawn on the Horizon?. Cell Cycle, 2006, 5, 159-163.	1.3	17
220	The Spindle Checkpoint and Chromosomal Stability. , 2006, 1, 116-130.		11
221	Bub1 Prevents Chromosome Misalignment and Precocious Anaphase during Mouse Oocyte Meiosis. Cell Cycle, 2006, 5, 2130-2137.	1.3	77

#	ARTICLE	IF	CITATIONS
222	Depletion of Securin Increases Arsenite-Induced Chromosome Instability and Apoptosis via a p53-Independent Pathway. <i>Toxicological Sciences</i> , 2006, 90, 73-86.	1.4	19
223	The RSC Chromatin Remodeling Complex Bears an Essential Fungal-Specific Protein Module With Broad Functional Roles. <i>Genetics</i> , 2006, 172, 795-809.	1.2	61
224	Uncoupling the Central Spindle-associated Function of the Chromosomal Passenger Complex from Its Role at Centromeres. <i>Molecular Biology of the Cell</i> , 2006, 17, 1897-1909.	0.9	69
225	A Centrosome-Independent Role for $\hat{\text{A}}\text{-TuRC}$ Proteins in the Spindle Assembly Checkpoint. <i>Science</i> , 2006, 314, 654-657.	6.0	38
226	Loading of the 3F3/2 Antigen onto Kinetochores Is Dependent on the Ordered Assembly of the Spindle Checkpoint Proteins. <i>Molecular Biology of the Cell</i> , 2006, 17, 4390-4399.	0.9	18
227	Induction of apoptosis by monastrol, an inhibitor of the mitotic kinesin Eg5, is independent of the spindle checkpoint. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 2580-2591.	1.9	46
228	Cytostatic factor: an activity that puts the cell cycle on hold. <i>Journal of Cell Science</i> , 2006, 119, 1213-1218.	1.2	98
229	The anaphase-promoting complex/cyclosome: APC/C. <i>Journal of Cell Science</i> , 2006, 119, 2401-2404.	1.2	108
230	Structural activation of Mad2 in the mitotic spindle checkpoint: the two-state Mad2 model versus the Mad2 template model. <i>Journal of Cell Biology</i> , 2006, 173, 153-157.	2.3	97
231	Diverse Mitotic and Interphase Functions of Condensins in <i>Drosophila</i> . <i>Genetics</i> , 2006, 172, 991-1008.	1.2	42
232	Mouse <i>emi1</i> Has an Essential Function in Mitotic Progression during Early Embryogenesis. <i>Molecular and Cellular Biology</i> , 2006, 26, 5373-5381.	1.1	47
233	Accumulation of Mad2 $\hat{\text{A}}\text{-Cdc20}$ complex during spindle checkpoint activation requires binding of open and closed conformers of Mad2 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2006, 174, 39-51.	2.3	51
234	Noise resistance in the spindle assembly checkpoint. <i>Molecular Systems Biology</i> , 2006, 2, 2006.0027.	3.2	16
235	The Spindle Assembly Checkpoint Regulates the Phosphorylation State of a Subset of DNA Checkpoint Proteins in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2006, 26, 9149-9161.	1.1	15
236	FAT10 Plays a Role in the Regulation of Chromosomal Stability. <i>Journal of Biological Chemistry</i> , 2006, 281, 11413-11421.	1.6	69
237	Anaphase Inactivation of the Spindle Checkpoint. <i>Science</i> , 2006, 313, 680-684.	6.0	118
238	Fta2, an Essential Fission Yeast Kinetochores Component, Interacts Closely with the Conserved Mal2 Protein. <i>Molecular Biology of the Cell</i> , 2006, 17, 4167-4178.	0.9	17
239	Modeling dual pathways for the metazoan spindle assembly checkpoint. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16758-16763.	3.3	42

#	ARTICLE	IF	CITATIONS
240	The Zebra fish <i>cassiopeia</i> Mutant Reveals that SIL Is Required for Mitotic Spindle Organization. <i>Molecular and Cellular Biology</i> , 2007, 27, 5887-5897.	1.1	82
241	Novel <i>mad2</i> Alleles Isolated in a <i>Schizosaccharomyces pombe</i> β -Tubulin Mutant Are Defective in Metaphase Arrest Activity, but Remain Functional for Chromosome Stability in Unperturbed Mitosis. <i>Genetics</i> , 2007, 175, 1571-1584.	1.2	7
242	Mad2-independent Spindle Assembly Checkpoint Activation and Controlled Metaphase \rightarrow Anaphase Transition in <i>Drosophila</i> S2 Cells. <i>Molecular Biology of the Cell</i> , 2007, 18, 850-863.	0.9	36
243	Meiosis-Driven Genome Variation in Plants. <i>Current Genomics</i> , 2007, 8, 151-161.	0.7	75
244	Yeast Rrp14p is required for ribosomal subunit synthesis and for correct positioning of the mitotic spindle during mitosis. <i>Nucleic Acids Research</i> , 2007, 35, 1354-1366.	6.5	39
245	Ipl1p-dependent phosphorylation of Mad3p is required for the spindle checkpoint response to lack of tension at kinetochores. <i>Genes and Development</i> , 2007, 21, 1163-1168.	2.7	62
246	Take Your "M" Time. <i>Cell Cycle</i> , 2007, 6, 2087-2090.	1.3	3
247	c-MYC Delays Prometaphase by Direct Transactivation of MAD2 and BubR1: Identification of Mechanisms Underlying c-MYC-Induced DNA Damage and Chromosomal Instability. <i>Cell Cycle</i> , 2007, 6, 339-352.	1.3	85
248	Dido disruption leads to centrosome amplification and mitotic checkpoint defects compromising chromosome stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2691-2696.	3.3	50
249	Inhibitory factors associated with anaphase-promoting complex/cylosome in mitotic checkpoint. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4870-4875.	3.3	69
250	Mad3p, a pseudosubstrate inhibitor of APC ^{Cdc20} in the spindle assembly checkpoint. <i>Genes and Development</i> , 2007, 21, 655-667.	2.7	157
251	The Conserved Spc7 Protein Is Required for Spindle Integrity and Links Kinetochores in Fission Yeast. <i>Molecular Biology of the Cell</i> , 2007, 18, 2441-2454.	0.9	45
252	Astrin is required for the maintenance of sister chromatid cohesion and centrosome integrity. <i>Journal of Cell Biology</i> , 2007, 178, 345-354.	2.3	154
253	Phosphorylated LIM Kinases Colocalize with Gamma-Tubulin in Centrosomes During Early Stages of Mitosis. <i>Cell Cycle</i> , 2007, 6, 2944-2952.	1.3	21
254	RMD-1, a novel microtubule-associated protein, functions in chromosome segregation in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2007, 179, 1149-1162.	2.3	23
255	Comment on "A Centrosome-Independent Role for $\hat{\alpha}$ -TuRC Proteins in the Spindle Assembly Checkpoint". <i>Science</i> , 2007, 316, 982c-982c.	6.0	21
256	Comment on "A Centrosome-Independent Role for $\hat{\alpha}$ -TuRC Proteins in the Spindle Assembly Checkpoint". <i>Science</i> , 2007, 316, 982b-982b.	6.0	2
257	Novel <i>sfi1</i> Alleles Uncover Additional Functions for Sfi1p in Bipolar Spindle Assembly and Function. <i>Molecular Biology of the Cell</i> , 2007, 18, 2047-2056.	0.9	27

#	ARTICLE	IF	CITATIONS
258	Tension-sensitive Plk1 phosphorylation on BubR1 regulates the stability of kinetochore-microtubule interactions. <i>Genes and Development</i> , 2007, 21, 2205-2219.	2.7	271
259	Potential of Kinesin Spindle Protein Inhibitor-Induced Cell Death by Modulation of Mitochondrial and Death Receptor Apoptotic Pathways. <i>Cancer Research</i> , 2007, 67, 237-245.	0.4	30
260	CENP-C Is Involved in Chromosome Segregation, Mitotic Checkpoint Function, and Kinetochore Assembly. <i>Molecular Biology of the Cell</i> , 2007, 18, 2155-2168.	0.9	107
261	CDK1p58 is required for the maintenance of sister chromatid cohesion. <i>Journal of Cell Science</i> , 2007, 120, 2424-2434.	1.2	80
262	Mad2 is required for optimal hematopoiesis: Mad2 associates with c-Kit in MO7e cells. <i>Blood</i> , 2007, 109, 1923-1930.	0.6	14
263	Gender effects on the incidence of aneuploidy in mammalian germ cells. <i>Environmental Research</i> , 2007, 104, 46-69.	3.7	80
264	PICH, a Centromere-Associated SNF2 Family ATPase, Is Regulated by Plk1 and Required for the Spindle Checkpoint. <i>Cell</i> , 2007, 128, 101-114.	13.5	297
265	p130comet Blocks Mad2 Activation through Structural Mimicry. <i>Cell</i> , 2007, 131, 744-755.	13.5	172
266	Structural Organization of the Anaphase-Promoting Complex Bound to the Mitotic Activator Slp1. <i>Molecular Cell</i> , 2007, 28, 871-885.	4.5	54
267	The Ndc80 complex: Hub of kinetochore activity. <i>FEBS Letters</i> , 2007, 581, 2862-2869.	1.3	68
268	Chromosome cohesion in mitosis and meiosis. <i>Journal of Cell Science</i> , 2007, 120, 367-369.	1.2	38
269	2-Methoxyestradiol Induces Spindle Aberrations, Chromosome Congestion Failure, and Nondisjunction in Mouse Oocytes1. <i>Biology of Reproduction</i> , 2007, 76, 784-793.	1.2	34
270	Anaphase initiation is regulated by antagonistic ubiquitination and deubiquitination activities. <i>Nature</i> , 2007, 446, 876-881.	13.7	333
271	Human T-Cell Leukemia Virus Type 1 Tax and Cellular Transformation. <i>International Journal of Hematology</i> , 2007, 86, 101-106.	0.7	35
272	Wrenches in the works: drug discovery targeting the SCF ubiquitin ligase and APC/C complexes. <i>BMC Biochemistry</i> , 2007, 8, S9.	4.4	35
273	GSK-3 inhibitors induce chromosome instability. <i>BMC Cell Biology</i> , 2007, 8, 34.	3.0	81
274	How eggs arrest at metaphase II: MPF stabilisation plus APC/C inhibition equals Cytostatic Factor. , 2007, 2, 4.		94
275	Human T cell leukemia virus type 1 Tax-induced signals in cell survival, proliferation, and transformation. <i>Signal Transduction</i> , 2007, 7, 34-52.	0.7	6

#	ARTICLE	IF	CITATIONS
276	SIRT2, a tubulin deacetylase, acts to block the entry to chromosome condensation in response to mitotic stress. <i>Oncogene</i> , 2007, 26, 945-957.	2.6	218
277	Inactivation of the ubiquitin conjugating enzyme UBE2Q2 causes a prophase arrest and enhanced apoptosis in response to microtubule inhibiting agents. <i>Oncogene</i> , 2007, 26, 6509-6517.	2.6	15
278	Flies without a spindle checkpoint. <i>Nature Cell Biology</i> , 2007, 9, 565-572.	4.6	123
279	Human T-cell leukaemia virus type 1 (HTLV-1) infectivity and cellular transformation. <i>Nature Reviews Cancer</i> , 2007, 7, 270-280.	12.8	726
280	Oncogenes and tumour suppressors take on centrosomes. <i>Nature Reviews Cancer</i> , 2007, 7, 911-924.	12.8	277
281	The spindle-assembly checkpoint in space and time. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 379-393.	16.1	1,932
282	Chromosomal passengers: conducting cell division. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 798-812.	16.1	747
283	The CENP-A NAC/CAD kinetochore complex controls chromosome congression and spindle bipolarity. <i>EMBO Journal</i> , 2007, 26, 5033-5047.	3.5	73
284	Ubiquitination by the anaphase-promoting complex drives spindle checkpoint inactivation. <i>Nature</i> , 2007, 446, 921-925.	13.7	323
285	MAD2 expression and its significance in mitotic checkpoint control in testicular germ cell tumour. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 821-832.	1.9	23
286	PLK1 Inhibitors: Setting the Mitotic Death Trap. <i>Current Biology</i> , 2007, 17, R280-R283.	1.8	28
287	Budding Yeast Mitotic Chromosomes Have an Intrinsic Bias to Biorient on the Spindle. <i>Current Biology</i> , 2007, 17, 1837-1846.	1.8	70
288	RNA Interference as a tool to study the function of MAD2 in mouse oocyte meiotic maturation. <i>Molecular Reproduction and Development</i> , 2007, 74, 116-124.	1.0	19
289	Combretastatin CA-4 and combretastatin derivative induce mitotic catastrophe dependent on spindle checkpoint and caspase-3 activation in non-small cell lung cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 155-166.	2.2	51
290	Expression changes of the MAD mitotic checkpoint gene family in renal cell carcinomas characterized by numerical chromosome changes. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2007, 450, 379-385.	1.4	17
291	Asymmetric distribution of mitochondria and of spindle microtubules in opposite directions in differential mitosis of germ line cells in <i>Acricotopus</i> . <i>Cell and Tissue Research</i> , 2007, 329, 197-203.	1.5	13
292	Genetic analysis of the spindle checkpoint genes san-1, mdf-2, bub-3 and the CENP-F homologues hcp-1 and hcp-2 in <i>Caenorhabditis elegans</i> . <i>Cell Division</i> , 2008, 3, 6.	1.1	23
293	The molecular basis of genistein-induced mitotic arrest and exit of self-renewal in embryonal carcinoma and primary cancer cell lines. <i>BMC Medical Genomics</i> , 2008, 1, 49.	0.7	34

#	ARTICLE	IF	CITATIONS
294	Perturbation of the chromosomal binding of RCC1, Mad2 and survivin causes spindle assembly defects and mitotic catastrophe. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 835-846.	1.2	14
295	Under arrest in mitosis: Cdc20 dies twice. <i>Nature Cell Biology</i> , 2008, 10, 1385-1387.	4.6	5
296	Possible involvement of caspase-7 in cell cycle progression at mitosis. <i>Genes To Cells</i> , 2008, 13, 609-621.	0.5	26
297	Taxanes, microtubules and chemoresistant breast cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2008, 1785, 96-132.	3.3	313
298	p53, cyclin-dependent kinase and abnormal amplification of centrosomes. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2008, 1786, 15-23.	3.3	56
299	Multiple origins of spontaneously arising micronuclei in HeLa cells: Direct evidence from long-term live cell imaging. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 646, 41-49.	0.4	66
300	The centrosome and early embryogenesis: clinical insights. <i>Reproductive BioMedicine Online</i> , 2008, 16, 485-491.	1.1	45
301	Mechanisms of Mitotic Spindle Assembly and Function. <i>International Review of Cytology</i> , 2008, 265, 111-158.	6.2	313
303	Spindle formation, chromosome segregation and the spindle checkpoint in mammalian oocytes and susceptibility to meiotic error. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 651, 14-29.	0.9	187
304	Mitotic checkpoints and the maintenance of the chromosome karyotype. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 651, 3-13.	0.9	37
305	Age-associated increase in aneuploidy and changes in gene expression in mouse eggs. <i>Developmental Biology</i> , 2008, 316, 397-407.	0.9	250
306	A Mutual Inhibition between APC/C and Its Substrate Mes1 Required for Meiotic Progression in Fission Yeast. <i>Developmental Cell</i> , 2008, 14, 446-454.	3.1	58
307	DDA3 recruits microtubule depolymerase Kif2a to spindle poles and controls spindle dynamics and mitotic chromosome movement. <i>Journal of Cell Biology</i> , 2008, 181, 255-267.	2.3	74
308	Dual Role of Topoisomerase II in Centromere Resolution and Aurora B Activity. <i>PLoS Biology</i> , 2008, 6, e207.	2.6	65
309	The HECT E3 ligase Smurf2 is required for Mad2-dependent spindle assembly checkpoint. <i>Journal of Cell Biology</i> , 2008, 183, 267-277.	2.3	57
310	The Human Spindle Assembly Checkpoint Protein Bub3 Is Required for the Establishment of Efficient Kinetochore-Microtubule Attachments. <i>Molecular Biology of the Cell</i> , 2008, 19, 1798-1813.	0.9	86
311	Spindle checkpoint activation at meiosis I advances anaphase II onset via meiosis-specific APC/C regulation. <i>Journal of Cell Biology</i> , 2008, 182, 277-288.	2.3	33
312	Evidence of Key Role of Cdk2 Overexpression in <i>Pemphigus Vulgaris</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 8736-8745.	1.6	44

#	ARTICLE	IF	CITATIONS
313	Dual Regulation of Mad2 Localization on Kinetochores by Bub1 and Dam1/DASH that Ensure Proper Spindle Interaction. <i>Molecular Biology of the Cell</i> , 2008, 19, 3885-3897.	0.9	13
314	Phosducin-Like Protein 3 Is Required for Microtubule-Dependent Steps of Cell Division but Not for Meristem Growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2008, 20, 969-981.	3.1	24
315	Molecular insights into mechanisms regulating faithful chromosome separation in female meiosis. <i>Cell Cycle</i> , 2008, 7, 2997-3005.	1.3	51
316	PLP3 Proteins Function in Microtubule Assembly in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2008, 20, 821-821.	3.1	1
317	ASURA. <i>Kagaku To Seibutsu</i> , 2008, 46, 557-563.	0.0	0
318	At Least Three Phosphorylation Events Induced by <i>Pemphigus Vulgaris</i> Sera are Pathogenically Involved in Keratinocyte Acantholysis. <i>International Journal of Immunopathology and Pharmacology</i> , 2008, 21, 189-195.	1.0	6
319	Kinetochores structure and spindle assembly checkpoint signaling in the budding yeast, <i>Saccharomyces Cerevisiae</i> . <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6787.	3.0	16
320	The RZZ Complex and the Spindle Assembly Checkpoint. <i>Cell Structure and Function</i> , 2009, 34, 31-45.	0.5	9
321	Spindle Assembly Checkpoint Protein Dynamics Reveal Conserved and Unsuspected Roles in Plant Cell Division. <i>PLoS ONE</i> , 2009, 4, e6757.	1.1	61
322	Non-coding murine centromeric transcripts associate with and potentiate Aurora B kinase. <i>Nucleic Acids Research</i> , 2009, 37, 5071-5080.	6.5	126
323	Evidence That a Defective Spindle Assembly Checkpoint Is Not the Primary Cause of Maternal Age-Associated Aneuploidy in Mouse Eggs. <i>Biology of Reproduction</i> , 2009, 81, 768-776.	1.2	125
324	RMD-1, a novel microtubule-associated protein, functions in chromosome segregation in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2009, 186, 629-629.	2.3	3
325	K858, a Novel Inhibitor of Mitotic Kinesin Eg5 and Antitumor Agent, Induces Cell Death in Cancer Cells. <i>Cancer Research</i> , 2009, 69, 3901-3909.	0.4	86
326	CAML loss causes anaphase failure and chromosome missegregation. <i>Cell Cycle</i> , 2009, 8, 940-949.	1.3	21
327	Hybrids of aneuploid human cancer cells permit complementation of simple and complex cancer defects. <i>Cancer Biology and Therapy</i> , 2009, 8, 347-355.	1.5	3
328	TAp73 binds the kinetochore proteins Bub1 and Bub3 resulting in polyploidy. <i>Cell Cycle</i> , 2009, 8, 421-429.	1.3	27
329	SIRT2 downregulation confers resistance to microtubule inhibitors by prolonging chronic mitotic arrest. <i>Cell Cycle</i> , 2009, 8, 1279-1291.	1.3	52
330	Epstein-Barr virus nuclear antigen 2 disrupts mitotic checkpoint and causes chromosomal instability. <i>Carcinogenesis</i> , 2009, 30, 366-375.	1.3	38

#	ARTICLE	IF	CITATIONS
331	Systems biology of the cell cycle of <i>Saccharomyces cerevisiae</i> : From network mining to system-level properties. <i>Biotechnology Advances</i> , 2009, 27, 960-978.	6.0	31
332	Evidence that Mitotic Exit Is a Better Cancer Therapeutic Target Than Spindle Assembly. <i>Cancer Cell</i> , 2009, 16, 347-358.	7.7	273
333	No Way Out for Tumor Cells. <i>Cancer Cell</i> , 2009, 16, 274-275.	7.7	14
334	Cell cycle-dependent PCa-PLC regulation by APC/C ^{Cdc20} -mediated ubiquitin-proteasome pathway. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 686-696.	1.2	23
335	Kinesin motor proteins as targets for cancer therapy. <i>Cancer and Metastasis Reviews</i> , 2009, 28, 197-208.	2.7	171
336	BubR1 acetylation at prometaphase is required for modulating APC/C activity and timing of mitosis. <i>EMBO Journal</i> , 2009, 28, 2077-2089.	3.5	113
337	Bub1 and Bub3 promote the conversion from monopolar to bipolar chromosome attachment independently of shugoshin. <i>EMBO Reports</i> , 2009, 10, 1022-1028.	2.0	38
338	Creating Reference Datasets for Systems Biology Applications Using Text Mining. <i>Annals of the New York Academy of Sciences</i> , 2009, 1158, 14-28.	1.8	13
339	In silico study of kinetochore control, amplification, and inhibition effects in MCC assembly. <i>BioSystems</i> , 2009, 95, 35-50.	0.9	22
340	Kinetic Analysis of Mad2 ^{Cdc20} Formation: Conformational Changes in Mad2 Are Catalyzed by a C-Mad2 ^{Ligand} Complex. <i>Biochemistry</i> , 2009, 48, 9503-9515.	1.2	17
341	Relaying the Checkpoint Signal from Kinetochore to APC/C. <i>Developmental Cell</i> , 2009, 16, 6-8.	3.1	10
342	Ectopic expression of plasma membrane targeted subunits of the Ndc80 complex as a tool to study kinetochore biochemistry. <i>Molecular Oncology</i> , 2009, 3, 262-268.	2.1	1
343	Analysis of the first mitotic spindles in human in vitro fertilized tripronuclear zygotes after pronuclear removal. <i>Reproductive BioMedicine Online</i> , 2009, 19, 745-754.	1.1	14
344	DETECTION OF PREMATURE SEGREGATION OF CENTROMERES IN PERSONS EXPOSED TO IONIZING RADIATION. <i>Health Physics</i> , 2010, 98, 717-727.	0.3	7
345	Depression of MAD2 inhibits apoptosis and increases proliferation and multidrug resistance in gastric cancer cells by regulating the activation of phosphorylated survivin. <i>Tumor Biology</i> , 2010, 31, 225-232.	0.8	17
346	Age-Related Meiotic Segregation Errors in Mammalian Oocytes Are Preceded by Depletion of Cohesin and Sgo2. <i>Current Biology</i> , 2010, 20, 1511-1521.	1.8	303
347	Nek2 targets the mitotic checkpoint proteins Mad2 and Cdc20: A mechanism for aneuploidy in cancer. <i>Experimental and Molecular Pathology</i> , 2010, 88, 225-233.	0.9	36
348	CLASP1, astrin and Kif2b form a molecular switch that regulates kinetochore-microtubule dynamics to promote mitotic progression and fidelity. <i>EMBO Journal</i> , 2010, 29, 3531-3543.	3.5	123

#	ARTICLE	IF	CITATIONS
349	BubR1 is a spindle assembly checkpoint protein regulating meiotic cell cycle progression of mouse oocyte. <i>Cell Cycle</i> , 2010, 9, 1112-1121.	1.3	117
350	Advances in understanding the genetic causes and mechanisms of female germ cell aneuploidy. <i>Expert Review of Obstetrics and Gynecology</i> , 2010, 5, 687-706.	0.4	2
351	Modulation of the anti-cancer efficacy of microtubule-targeting agents by cellular growth conditions. <i>Cancer Biology and Therapy</i> , 2010, 9, 809-818.	1.5	11
352	Substrate degradation by the anaphase promoting complex occurs during mitotic slippage. <i>Cell Cycle</i> , 2010, 9, 1792-1801.	1.3	35
353	Cytotoxic activity and cytostatic mechanism of novel 2-arylbenzo[b]furans. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1281-1287.	1.2	7
354	Retroviruses and Insights into Cancer: Retroviral Regulatory/Accessory Genes and Cancer. , 2010, , 163-189.		0
356	Effect of antifreeze protein supplementation in vitrification medium on mouse oocyte developmental competence. <i>Fertility and Sterility</i> , 2011, 96, 1239-1245.	0.5	48
357	Spindle assembly checkpoint: the third decade. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3595-3604.	1.8	167
359	CDC20 (cell division cycle 20 homolog (<i>S. cerevisiae</i>)). <i>Atlas of Genetics and Cytogenetics in Oncology and Haematology</i> , 2011, , .	0.1	0
360	Contribution of Caspase(s) to the Cell Cycle Regulation at Mitotic Phase. <i>PLoS ONE</i> , 2011, 6, e18449.	1.1	42
361	Chiasmata Promote Monopolar Attachment of Sister Chromatids and Their Co-Segregation toward the Proper Pole during Meiosis I. <i>PLoS Genetics</i> , 2011, 7, e1001329.	1.5	53
362	Mad2 haploinsufficiency protects hematopoietic progenitor cells subjected to cell-cycle stress in vivo and to inhibition of redox function of Ape1/Ref-1 in vitro. <i>Experimental Hematology</i> , 2011, 39, 415-423.	0.2	5
363	Tumor suppressor Lzap regulates cell cycle progression, doming, and zebrafish epiboly. <i>Developmental Dynamics</i> , 2011, 240, 1613-1625.	0.8	26
364	Closed MAD2 (C-MAD2) is selectively incorporated into the mitotic checkpoint complex (MCC). <i>Cell Cycle</i> , 2011, 10, 3740-3750.	1.3	26
365	Islet transplantation reverses the effects of maternal diabetes on mouse oocytes. <i>Reproduction</i> , 2011, 141, 417-424.	1.1	19
366	Aberrant spindle structures responsible for recurrent human metaphase I oocyte arrest with attempts to induce meiosis artificially. <i>Human Reproduction</i> , 2011, 26, 791-800.	0.4	25
367	Bub1 and BubR1: at the Interface between Chromosome Attachment and the Spindle Checkpoint. <i>Molecular and Cellular Biology</i> , 2011, 31, 3085-3093.	1.1	104
368	Phosphorylation of the Ndc80 complex protein, HEC1, by Nek2 kinase modulates chromosome alignment and signaling of the spindle assembly checkpoint. <i>Molecular Biology of the Cell</i> , 2011, 22, 3584-3594.	0.9	60

#	ARTICLE	IF	CITATIONS
369	Cdc48/p97â€“Ufd1â€“Npl4 antagonizes Aurora B during chromosome segregation in HeLa cells. <i>Journal of Cell Science</i> , 2011, 124, 1571-1580.	1.2	48
371	A novel function of Rab5 in mitosis. <i>Small GTPases</i> , 2012, 3, 168-172.	0.7	10
372	Growth Suppression and Mitotic Defect Induced by JNJ-7706621, an Inhibitor of Cyclin-Dependent Kinases and Aurora Kinases. <i>Current Cancer Drug Targets</i> , 2012, 12, 625-639.	0.8	14
373	Reactive Oxygen Species: Friends and Foes of Signal Transduction. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-1.	2.0	12
374	<i>Neurospora crassa</i> Light Signal Transduction Is Affected by ROS. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-13.	2.0	28
375	Spindle assembly checkpoint and its regulators in meiosis. <i>Human Reproduction Update</i> , 2012, 18, 60-72.	5.2	95
376	The Beneficial Effects of Antifreeze Proteins in the Vitrification of Immature Mouse Oocytes. <i>PLoS ONE</i> , 2012, 7, e37043.	1.1	45
377	Inhibition of cell growth and up-regulation of MAD2 in human oesophageal squamous cell carcinoma after treatment with the Src/Abl inhibitor dasatinib. <i>Clinical Science</i> , 2012, 122, 13-24.	1.8	6
378	Impact of the LH surge on granulosa cell transcript levels as markers of oocyte developmental competence in cattle. <i>Reproduction</i> , 2012, 143, 735-747.	1.1	51
379	Driving the Cell Cycle Through Metabolism. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 59-87.	4.0	117
380	Tex14, a Plk1-Regulated Protein, Is Required for Kinetochores-Microtubule Attachment and Regulation of the Spindle Assembly Checkpoint. <i>Molecular Cell</i> , 2012, 45, 680-695.	4.5	41
381	Mph1 kinetochore localization is crucial and upstream in the hierarchy of spindle assembly checkpoint protein recruitment to kinetochores. <i>Journal of Cell Science</i> , 2012, 125, 4720-7.	1.2	46
382	Src Protein Kinases in Mouse and Rat Oocytes and Embryos. <i>Results and Problems in Cell Differentiation</i> , 2012, 55, 93-106.	0.2	5
383	The Cell Cycle. , 2012, , 451-471.		5
384	Cytoskeletal analysis of human blastocysts by confocal laser scanning microscopy following vitrification. <i>Human Reproduction</i> , 2012, 27, 106-113.	0.4	49
385	A Small-Molecule Inhibitor Targeting the Mitotic Spindle Checkpoint Impairs the Growth of Uterine Leiomyosarcoma. <i>Clinical Cancer Research</i> , 2012, 18, 3352-3365.	3.2	56
386	Aurora Kinase-A Inactivates DNA Damage-Induced Apoptosis and Spindle Assembly Checkpoint Response Functions of p73. <i>Cancer Cell</i> , 2012, 21, 196-211.	7.7	80
387	Kinetochores and disease: keeping microtubule dynamics in check!. <i>Current Opinion in Cell Biology</i> , 2012, 24, 64-70.	2.6	71

#	ARTICLE	IF	CITATIONS
388	Transient Structure Associated with the Spindle Pole Body Directs Meiotic Microtubule Reorganization in <i>S.Âpombe</i> . <i>Current Biology</i> , 2012, 22, 562-574.	1.8	37
389	Microtubule Motors: Doinâ€™ It without Dynactin. <i>Current Biology</i> , 2013, 23, R563-R565.	1.8	1
390	BUB1 and BUBR1 inhibition decreases proliferation and colony formation, and enhances radiation sensitivity in pediatric glioblastoma cells. <i>Child's Nervous System</i> , 2013, 29, 2241-2248.	0.6	30
391	Monopolar Spindle 1 (MPS1) Kinase Promotes Production of Closed MAD2 (C-MAD2) Conformer and Assembly of the Mitotic Checkpoint Complex. <i>Journal of Biological Chemistry</i> , 2013, 288, 35149-35158.	1.6	50
392	Tripeptidyl peptidase II in human oral squamous cell carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2013, 139, 123-130.	1.2	23
393	Inhibition of AKT enhances mitotic cell apoptosis induced by arsenic trioxide. <i>Toxicology and Applied Pharmacology</i> , 2013, 267, 228-237.	1.3	6
394	Genome-wide haploinsufficiency screen reveals a novel role for $\hat{3}$ -TuSC in spindle organization and genome stability. <i>Molecular Biology of the Cell</i> , 2013, 24, 2753-2763.	0.9	11
395	Growth retardation in human blastocysts increases the incidence of abnormal spindles and decreases implantation potential after vitrification. <i>Human Reproduction</i> , 2013, 28, 1528-1535.	0.4	50
396	Causes and consequences of maternal age-related aneuploidy in oocytes: a review. <i>Veterinari Medicina</i> , 2013, 58, 65-72.	0.2	2
397	Molecular Dynamics Simulation on the Conformational Transition of the Mad2 Protein from the Open to the Closed State. <i>International Journal of Molecular Sciences</i> , 2014, 15, 5553-5569.	1.8	13
398	Addition of lysophosphatidic acid to mouse oocyte maturation media can enhance fertilization and developmental competence. <i>Human Reproduction</i> , 2014, 29, 234-241.	0.4	28
399	Cdh1 is an antagonist of the spindle assembly checkpoint. <i>Cellular Signalling</i> , 2014, 26, 2217-2222.	1.7	7
400	Peri-implantational in vivo and in vitro embryo-trophoblast development after perigestational alcohol exposure in the CD-1 mouse. <i>Drug and Chemical Toxicology</i> , 2014, 37, 184-197.	1.2	16
401	Inhibiting tumor growth by targeting liposomally encapsulated CDC20siRNA to tumor vasculature: Therapeutic RNA interference. <i>Journal of Controlled Release</i> , 2014, 180, 100-108.	4.8	41
402	Induction of G ₂ /M phase arrest and apoptosis by the flavonoid tamarixetin on human leukemia cells. <i>Molecular Carcinogenesis</i> , 2014, 53, 939-950.	1.3	48
403	Effects of nanosecond pulsed electrical fields (nsPEFs) on the cell cycle of CHO and Jurkat cells. , 2014, , .		2
404	Triphenyltin chloride induces spindle microtubule depolymerisation and inhibits meiotic maturation in mouse oocytes. <i>Reproduction, Fertility and Development</i> , 2014, 26, 1084.	0.1	6
405	Functional development of the adult ovine mammary glandâ€™ insights from gene expression profiling. <i>BMC Genomics</i> , 2015, 16, 748.	1.2	44

#	ARTICLE	IF	CITATIONS
406	Structural and functional diversification of HORMA domain-containing proteins. <i>Journal of Systematics and Evolution</i> , 2015, 53, 321-329.	1.6	1
407	Involvement of <i>FgMad2</i> and <i>FgBub1</i> in regulating fungal development and carbendazim resistance in <i>Fusarium Graminearum</i> . <i>Plant Pathology</i> , 2015, 64, 1014-1028.	1.2	2
408	G2/M Cell Cycle Arrest and Tumor Selective Apoptosis of Acute Leukemia Cells by a Promising Benzophenone Thiosemicarbazone Compound. <i>PLoS ONE</i> , 2015, 10, e0136878.	1.1	29
409	Tripolar mitosis in human cells and embryos: Occurrence, pathophysiology and medical implications. <i>Acta Histochemica</i> , 2015, 117, 111-125.	0.9	55
410	Exposing Mouse Oocytes to Necrostatin 1 During In Vitro Maturation Improves Maturation, Survival After Vitrification, Mitochondrial Preservation, and Developmental Competence. <i>Reproductive Sciences</i> , 2015, 22, 615-625.	1.1	14
411	TP53/p53 alterations and Aurora A expression in progressor and non-progressor colectomies from patients with longstanding ulcerative colitis. <i>International Journal of Molecular Medicine</i> , 2015, 35, 24-30.	1.8	6
412	Teratozoospermia: spotlight on the main genetic actors in the human. <i>Human Reproduction Update</i> , 2015, 21, 455-485.	5.2	255
413	Spatial regulation of the spindle assembly checkpoint and anaphase-promoting complex in <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2015, 95, 442-457.	1.2	8
414	The aurora kinases in cell cycle and leukemia. <i>Oncogene</i> , 2015, 34, 537-545.	2.6	263
415	Small RAB GTPases Regulate Multiple Steps of Mitosis. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 2.	1.8	11
416	Mitotic Spindle Disruption by Alternating Electric Fields Leads to Improper Chromosome Segregation and Mitotic Catastrophe in Cancer Cells. <i>Scientific Reports</i> , 2016, 5, 18046.	1.6	224
417	ASB7 regulates spindle dynamics and genome integrity by targeting DDA3 for proteasomal degradation. <i>Journal of Cell Biology</i> , 2016, 215, 95-106.	2.3	19
418	From Meiosis to Mitosis. <i>Current Topics in Developmental Biology</i> , 2016, 120, 125-171.	1.0	6
419	The synthetic diazonamide DZ-2384 has distinct effects on microtubule curvature and dynamics without neurotoxicity. <i>Science Translational Medicine</i> , 2016, 8, 365ra159.	5.8	42
420	Observing Mitotic Division and Dynamics in a Live Zebrafish Embryo. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	7
421	Sulfasalazine intensifies temozolomide cytotoxicity in human glioblastoma cells. <i>Molecular and Cellular Biochemistry</i> , 2016, 418, 167-178.	1.4	19
422	Differences in the origins of kinetochore-positive and kinetochore-negative micronuclei: A live cell imaging study. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 787, 7-14.	0.4	4
423	Quantitative imaging with Fucci and mathematics to uncover temporal dynamics of cell cycle progression. <i>Development Growth and Differentiation</i> , 2016, 58, 6-15.	0.6	15

#	ARTICLE	IF	CITATIONS
424	Asynapsis and Desynapsis in Plants. , 2017, , 127-140.		1
425	Precocious centriole disengagement and centrosome fragmentation induced by mitotic delay. Nature Communications, 2017, 8, 15803.	5.8	24
426	Loss of the Methyl-CpGâ€œBinding Protein ZBTB4 Alters Mitotic Checkpoint, Increases Aneuploidy, and Promotes Tumorigenesis. Cancer Research, 2017, 77, 62-73.	0.4	55
427	Alignment of Mitotic Chromosomes in Human Cells Involves SR-Like Splicing Factors Btf and TRAP150. International Journal of Molecular Sciences, 2017, 18, 1956.	1.8	4
428	G2/M inhibitors as pharmacotherapeutic opportunities for glioblastoma: the old, the new, and the future. Cancer Biology and Medicine, 2018, 15, 354.	1.4	19
429	C-Src confers resistance to mitotic stress through inhibition DMAP1/Bub3 complex formation in pancreatic cancer. Molecular Cancer, 2018, 17, 174.	7.9	11
430	Overexpression of Fbxo6 inactivates spindle checkpoint by interacting with Mad2 and BubR1. Cell Cycle, 2018, 17, 2779-2789.	1.3	11
431	The Cell Cycle. , 2018, , 197-219.		10
432	Spindle and chromosome configuration analysis of human biopsied versus non-biopsied embryos by confocal laser scanning microscopy following vitrification. Zygote, 2019, 27, 153-159.	0.5	3
433	Hematopoietic PBX-interacting protein is a substrate and an inhibitor of the APC/Câ€œCdc20 complex and regulates mitosis by stabilizing cyclin B1. Journal of Biological Chemistry, 2019, 294, 10236-10252.	1.6	14
434	Spindle assembly checkpoint competence in aneuploid canine malignant melanoma cell lines. Tissue and Cell, 2020, 67, 101403.	1.0	2
435	Biallelic mutations in CDC20 cause female infertility characterized by abnormalities in oocyte maturation and early embryonic development. Protein and Cell, 2020, 11, 921-927.	4.8	43
436	Discovery of T-1101 tosylate as a first-in-class clinical candidate for Hec1/Nek2 inhibition in cancer therapy. European Journal of Medicinal Chemistry, 2020, 191, 112118.	2.6	8
437	Tumour treating fields therapy for glioblastoma: current advances and future directions. British Journal of Cancer, 2021, 124, 697-709.	2.9	136
438	Further Reading Mitosis. , 2021, , 518-524.		0
439	Identification of Novel Mutations in CDC20: Expanding the Mutational Spectrum for Female Infertility. Frontiers in Cell and Developmental Biology, 2021, 9, 647130.	1.8	14
440	Viability assessment using fluorescent markers and ultrastructure of human biopsied embryos vitrified in open and closed systems. Reproductive BioMedicine Online, 2021, 43, 833-842.	1.1	3
441	Wnt signaling recruits KIF2A to the spindle to ensure chromosome congression and alignment during mitosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10

#	ARTICLE	IF	CITATIONS
442	Oxcarbazepine induces mitotic catastrophe and apoptosis in NRK-52E proximal tubular cells. <i>Toxicology Letters</i> , 2021, 350, 240-248.	0.4	4
443	Basis of Cell Kill Following Clinical Radiotherapy. , 2005, , 293-320.		10
444	The Role of the Kinetochore in Spindle Checkpoint Signaling. , 2009, , 1-26.		1
445	Preparation of Synchronized Human Cell Extracts to Study Ubiquitination and Degradation. <i>Methods in Molecular Biology</i> , 2009, 545, 301-312.	0.4	16
446	Human T-Cell Leukemia Virus Type 1, Cellular Transformation, and Adult T-Cell Leukemia. , 2010, , 41-49.		1
447	In Vivo Live-Analysis of Cell Cycle Checkpoints in Drosophila Early Embryos. <i>Methods in Molecular Biology</i> , 2011, 782, 75-92.	0.4	2
448	Chromosomes function as a barrier to mitotic spindle bipolarity in polyploid cells. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	20
449	Functions of Eukaryotic DNA Polymerases. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2003, 2003, 3re-3.	0.9	51
450	Aging in Check. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2006, 2006, pe9-pe9.	0.9	6
451	Deficiencies in Chfr and Mlh1 synergistically enhance tumor susceptibility in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 2714-24.	3.9	24
452	Protein phosphorylation and dephosphorylation. , 2004, , 284-375.		8
453	Mad3 KEN Boxes Mediate both Cdc20 and Mad3 Turnover, and Are Critical for the Spindle Checkpoint. <i>PLoS ONE</i> , 2007, 2, e342.	1.1	116
454	Changing Mad2 Levels Affects Chromosome Segregation and Spindle Assembly Checkpoint Control in Female Mouse Meiosis I. <i>PLoS ONE</i> , 2007, 2, e1165.	1.1	104
455	In-Silico Modeling of the Mitotic Spindle Assembly Checkpoint. <i>PLoS ONE</i> , 2008, 3, e1555.	1.1	38
456	The Mitotic Arrest Deficient Protein MAD2B Interacts with the Small GTPase RAN throughout the Cell Cycle. <i>PLoS ONE</i> , 2009, 4, e7020.	1.1	26
457	Bub3 Is a Spindle Assembly Checkpoint Protein Regulating Chromosome Segregation during Mouse Oocyte Meiosis. <i>PLoS ONE</i> , 2009, 4, e7701.	1.1	97
458	In Vivo FRET Imaging Revealed a Regulatory Role of RanGTP in Kinetochore-Microtubule Attachments via Aurora B Kinase. <i>PLoS ONE</i> , 2012, 7, e45836.	1.1	8
459	An Arabidopsis Tissue-Specific RNAi Method for Studying Genes Essential to Mitosis. <i>PLoS ONE</i> , 2012, 7, e51388.	1.1	15

#	ARTICLE	IF	CITATIONS
460	A Novel Time-Dependent CENP-E Inhibitor with Potent Antitumor Activity. PLoS ONE, 2015, 10, e0144675.	1.1	31
461	Mad2 and spindle assembly checkpoint function during meiosis I in mammalian oocytes. Histology and Histopathology, 2006, 21, 873-86.	0.5	25
462	Zfp207 is a Bub3 binding protein regulating meiotic chromosome alignment in mouse oocytes. Oncotarget, 2016, 7, 30155-30165.	0.8	6
463	Mitotic checkpoint defects in human cancers and their implications to chemotherapy. Frontiers in Bioscience - Landmark, 2008, 13, 2103.	3.0	35
464	The Arabidopsis checkpoint protein Bub3.1 is essential for gametophyte development. Frontiers in Bioscience - Landmark, 2008, Volume, 5202.	3.0	19
465	Overexpression of the mitotic checkpoint genes BUB1 and BUBR1 is associated with genomic complexity in clear cell kidney carcinomas. Cellular Oncology, 2008, 30, 389-95.	1.9	36
466	The versatile functions of ATM kinase. Biomedical Journal, 2014, 37, 3.	1.4	76
467	Genomic Instability Induced By Human Papillomavirus Oncogenes. North American Journal of Medicine & Science, 2010, 3, 043.	3.8	30
470	Getting In and Out of Mitosis. Research and Perspectives in Endocrine Interactions, 2008, , 11-20.	0.2	0
471	Post-Translational Modifications that Regulate Kinetochores Activity. , 2009, , 1-51.		1
473	The Role of p53 in Carcinogenesis and Apoptosis in Oral Tissues. Oxidative Stress in Applied Basic Research and Clinical Practice, 2014, , 95-106.	0.4	0
475	Cell Cycle Arrest: An Impending Therapeutic Strategy to Curb Cancer. , 2020, , 45-63.		1
477	Cell Cycle Regulators and Vascular Proliferative Diseases. , 2007, , 199-212.		0
478	Aberrations of DNA Damage in Checkpoints in Cancer. , 2007, , 119-136.		0
479	Targeting the Spindle Checkpoint in Cancer Chemotherapy. , 2008, , 227-241.		0
480	Do Histone Deacetylase Inhibitors Target Cell Cycle Checkpoints that Monitor Heterochromatin Structure?. , 2008, , 291-309.		0
482	The functions and properties of cullin-5, a potential therapeutic target for cancers. American Journal of Translational Research (discontinued), 2020, 12, 618-632.	0.0	5
483	Knockout of caspase-7 gene improves the expression of recombinant protein in CHO cell line through the cell cycle arrest in G2/M phase. Biological Research, 2022, 55, 2.	1.5	5

#	ARTICLE	IF	CITATIONS
484	The human embryo following biopsy on day 5 vs day 3: viability, ultrastructure and spindle / chromosomes configurations. Reproductive BioMedicine Online, 2022, , .	1.1	3
485	Mitotic and DNA Damage Response Proteins: Maintaining the Genome Stability and Working for the Common Good. Frontiers in Cell and Developmental Biology, 2021, 9, 700162.	1.8	5
487	The Mechanisms of Action of Tumor Treating Fields. Cancer Research, 2022, 82, 3650-3658.	0.4	27
488	Abnormal growth and morphogenesis of placenta at term is linked to adverse fetal development after perigestational alcohol consumption up to early gestation in mouse. Birth Defects Research, 2022, 114, 611-630.	0.8	3
489	Inactivation of the mitotic checkpoint as a determinant of the efficacy of microtubule-targeted drugs in killing human cancer cells. Molecular Cancer Therapeutics, 2004, 3, 661-669.	1.9	71
490	Centrosome Clustering & Chemotherapy. Mini-Reviews in Medicinal Chemistry, 2022, 22, .	1.1	0
491	CCHCR1-astrin interaction promotes centriole duplication through recruitment of CEP72. BMC Biology, 2022, 20, .	1.7	2
492	Oocyte phenotype, genetic diagnosis, and clinical outcome in case of patients with oocyte maturation arrest. Frontiers in Endocrinology, 0, 13, .	1.5	0
493	Septin 9 controls <scp>CCNB1</scp> stabilization via <scp>APC</scp>/<scp>C^{CDC20}</scp> </scp> during meiotic metaphase I/anaphase I transition in mouse oocytes. Cell Proliferation, 2023, 56, .	2.4	2
494	Analysis of reproduction-related transcriptomes on pineal-hypothalamic-pituitary-ovarian tissues during estrus and anestrus in Tan sheep. Frontiers in Veterinary Science, 0, 9, .	0.9	2
495	HDAC inhibition in cancer. , 2023, , 63-97.		0
497	Unique progerin C-terminal peptide ameliorates Hutchinsonâ€™Gilford progeria syndrome phenotype by rescuing BUBR1. Nature Aging, 2023, 3, 185-201.	5.3	3
498	Drugging Hijacked Kinase Pathways in Pediatric Oncology: Opportunities and Current Scenario. Pharmaceutics, 2023, 15, 664.	2.0	2