Polo-like kinase-1 is activated by aurora A to promote c

Nature

455, 119-123

DOI: 10.1038/nature07185

Citation Report

#	Article	IF	CITATIONS
2	Basal Root Rot, a new Disease of Teak (Tectona grandis) in Malaysia caused by Phellinus noxius. Malaysian Journal of Microbiology, 2005, , .	0.1	8
3	The Aurora kinase family in cell division and cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2008, 1786, 60-72.	3.3	281
4	Polo-like kinase 1 reaches beyond mitosisâ€"cytokinesis, DNA damage response, and development. Current Opinion in Cell Biology, 2008, 20, 650-660.	2.6	153
5	Kicking off the polo game. Trends in Biochemical Sciences, 2008, 33, 511-513.	3.7	20
6	Aurora Kinase A Inhibition Leads to p73-Dependent Apoptosis in p53-Deficient Cancer Cells. Cancer Research, 2008, 68, 8998-9004.	0.4	110
7	Sequestration of Polo kinase to microtubules by phosphopriming-independent binding to Map205 is relieved by phosphorylation at a CDK site in mitosis. Genes and Development, 2008, 22, 2707-2720.	2.7	67
9	Physiological and Oncogenic Aurora-A Pathway. International Journal of Biological Sciences, 2009, 5, 758-762.	2.6	30
10	Artemis Regulates Cell Cycle Recovery from the S Phase Checkpoint by Promoting Degradation of Cyclin E. Journal of Biological Chemistry, 2009, 284, 18236-18243.	1.6	24
11	A Genetic Variant of Aurora Kinase A Promotes Genomic Instability Leading to Highly Malignant Skin Tumors. Cancer Research, 2009, 69, 7207-7215.	0.4	32
12	Coupling the cell cycle to development. Development (Cambridge), 2009, 136, 2861-2872.	1.2	84
13	The decision to enter mitosis: feedback and redundancy in the mitotic entry network. Journal of Cell Biology, 2009, 185, 193-202.	2.3	516
14	Polo-like kinases mediate cell survival in mitochondrial dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14542-14546.	3.3	74
15	Discovery and Exploitation of Inhibitor-resistant Aurora and Polo Kinase Mutants for the Analysis of Mitotic Networks. Journal of Biological Chemistry, 2009, 284, 15880-15893.	1.6	66
16	A Cancer-associated Aurora A Mutant Is Mislocalized and Misregulated Due to Loss of Interaction with TPX2. Journal of Biological Chemistry, 2009, 284, 33177-33184.	1.6	40
17	Functional Dynamics of Polo-Like Kinase 1 at the Centrosome. Molecular and Cellular Biology, 2009, 29, 3134-3150.	1,1	82
18	B-MYB Is Required for Recovery from the DNA Damage–Induced G2 Checkpoint in p53 Mutant Cells. Cancer Research, 2009, 69, 4073-4080.	0.4	72
19	Phosphorylation of TPX2 by Plx1 enhances activation of Aurora A. Cell Cycle, 2009, 8, 2413-2419.	1.3	33
20	Human Papillomavirus 16 E7 Oncoprotein Attenuates DNA Damage Checkpoint Control by Increasing the Proteolytic Turnover of Claspin. Cancer Research, 2009, 69, 7022-7029.	0.4	80

#	Article	IF	CITATIONS
21	Kinase Signaling in the Spindle Checkpoint. Journal of Biological Chemistry, 2009, 284, 15359-15363.	1.6	32
22	Aurora-A and hBora Join the Game of Polo. Cancer Research, 2009, 69, 4555-4558.	0.4	45
23	Molecular Distinctions between Aurora A and B: A Single Residue Change Transforms Aurora A into Correctly Localized and Functional Aurora B. Molecular Biology of the Cell, 2009, 20, 3491-3502.	0.9	68
24	The DNA Damage Response: Implications on Cancer Formation and Treatment. , 2009, , .		6
25	Cytokinetic abscission: cellular dynamics at the midbody. Trends in Cell Biology, 2009, 19, 606-616.	3.6	144
26	Coordinating cellular events during spermatogenesis: a biochemical model. Trends in Biochemical Sciences, 2009, 34, 366-373.	3.7	62
27	Kif15 Cooperates with Eg5 to Promote Bipolar Spindle Assembly. Current Biology, 2009, 19, 1703-1711.	1.8	250
28	Unholy Matrimony: Aurora A and N-Myc as Malignant Partners in Neuroblastoma. Cancer Cell, 2009, 15, 5-6.	7.7	19
29	Control of cell growth by the SCF and APC/C ubiquitin ligases. Current Opinion in Cell Biology, 2009, 21, 816-824.	2.6	145
30	Making the Auroras glow: regulation of Aurora A and B kinase function by interacting proteins. Current Opinion in Cell Biology, 2009, 21, 796-805.	2.6	318
31	Bladder cancer SNP panel predicts susceptibility and survival. Human Genetics, 2009, 125, 527-539.	1.8	85
32	RNAi mediated acute depletion of Retinoblastoma protein (pRb) promotes aneuploidy in human primary cells via micronuclei formation. BMC Cell Biology, 2009, 10, 79.	3.0	41
33	The balance of Polo-like kinase 1 in tumorigenesis. Cell Division, 2009, 4, 4.	1.1	42
34	Wip1 confers G2 checkpoint recovery competence by counteracting p53-dependent transcriptional repression. EMBO Journal, 2009, 28, 3196-3206.	3 <b>.</b> 5	74
35	Polo-like kinases: conservation and divergence in their functions and regulation. Nature Reviews Molecular Cell Biology, 2009, 10, 265-275.	16.1	554
36	BubR1 localizes to centrosomes and suppresses centrosome amplification via regulating Plk1 activity in interphase cells. Oncogene, 2009, 28, 2806-2820.	2.6	47
37	Centrosome Function: Sometimes Less Is More. Traffic, 2009, 10, 472-481.	1.3	40
38	A Phospho-Directed Macroporous Aluminaâ^'Silica Nanoreactor with Multi-Functions. ACS Nano, 2009, 3, 3656-3662.	<b>7.</b> 3	70

#	Article	IF	CITATIONS
39	A Genome-wide RNAi Screen Identifies Multiple Synthetic Lethal Interactions with the Ras Oncogene. Cell, 2009, 137, 835-848.	13.5	912
41	Aurora kinase A is a target of Wnt/l²-catenin involved in multiple myeloma disease progression. Blood, 2009, 114, 2699-2708.	0.6	96
42	Aurora kinase inhibitors as anti-cancer therapy. Anti-Cancer Drugs, 2010, 21, 339-350.	0.7	58
43	Functional characterization of AIBp, a novel Aurora-A binding protein in centrosome structure and spindle formation. International Journal of Oncology, 2010, 37, 429-36.	1.4	11
44	Polo-box domain: a versatile mediator of polo-like kinase function. Cellular and Molecular Life Sciences, 2010, 67, 1957-1970.	2.4	145
45	Finding the middle ground: how kinetochores power chromosome congression. Cellular and Molecular Life Sciences, 2010, 67, 2145-2161.	2.4	52
46	The substrates of Plk1, beyond the functions in mitosis. Protein and Cell, 2010, 1, 999-1010.	4.8	42
47	Modulating Polo-Like Kinase 1 as a Means for Cancer Chemoprevention. Pharmaceutical Research, 2010, 27, 989-998.	1.7	26
48	Centriole Reduplication during Prolonged Interphase Requires Procentriole Maturation Governed by Plk1. Current Biology, 2010, 20, 1277-1282.	1.8	123
49	The Aurora-A/TPX2 complex: A novel oncogenic holoenzyme?. Biochimica Et Biophysica Acta: Reviews on Cancer, 2010, 1806, 230-239.	3.3	68
50	Purification and proteomic identification of putative upstream regulators of poloâ€like kinaseâ€1 from mitotic cell extracts. FEBS Letters, 2010, 584, 4299-4305.	1.3	11
51	Auroraâ€A expressing tumour cells are deficient for homologyâ€directed DNA double strandâ€break repair and sensitive to PARP inhibition. EMBO Molecular Medicine, 2010, 2, 130-142.	3.3	60
52	Cellâ€Cycle Markers and Biosensors. ChemBioChem, 2010, 11, 1037-1047.	1.3	23
53	Initial testing of the aurora kinase a inhibitor MLN8237 by the Pediatric Preclinical Testing Program (PPTP). Pediatric Blood and Cancer, 2010, 55, 26-34.	0.8	195
54	Response of experimental malignant melanoma models to the panâ€Aurora kinase inhibitor VEâ€465. Experimental Dermatology, 2010, 19, 1040-1047.	1.4	16
55	Wip1 phosphatase is associated with chromatin and dephosphorylates $\hat{I}^3$ H2AX to promote checkpoint inhibition. Oncogene, 2010, 29, 2281-2291.	2.6	135
56	Ubiquitylation of the amino terminus of Myc by SCFÎ $^2$ -TrCP antagonizes SCFFbw7-mediated turnover. Nature Cell Biology, 2010, 12, 973-981.	4.6	134
57	Shared and separate functions of polo-like kinases and aurora kinases in cancer. Nature Reviews Cancer, 2010, 10, 825-841.	12.8	548

#	ARTICLE	IF	Citations
58	Multifaceted polo-like kinases: drug targets and antitargets for cancer therapy. Nature Reviews Drug Discovery, 2010, 9, 643-660.	21.5	561
59	Aurora Kinases and Passenger Proteins as Targets for Cancer Therapy: An Update. Current Enzyme Inhibition, 2010, 6, 19-25.	0.3	3
60	Mechanisms of ATR-mediated checkpoint signalling. Frontiers in Bioscience - Landmark, 2010, 15, 840.	3.0	40
61	Mitotic Inhibition of GRASP65 Organelle Tethering Involves Polo-like Kinase 1 (PLK1) Phosphorylation Proximate to an Internal PDZ Ligand. Journal of Biological Chemistry, 2010, 285, 39994-40003.	1.6	43
62	Preclinical Evaluation of AMG 900, a Novel Potent and Highly Selective Pan-Aurora Kinase Inhibitor with Activity in Taxane-Resistant Tumor Cell Lines. Cancer Research, 2010, 70, 9846-9854.	0.4	109
63	Arpc1b, a centrosomal protein, is both an activator and substrate of Aurora A. Journal of Cell Biology, 2010, 190, 101-114.	2.3	55
64	SPAT-1/Bora acts with Polo-like kinase 1 to regulate PAR polarity and cell cycle progression. Development (Cambridge), 2010, 137, 3315-3325.	1.2	50
65	The Aurora kinase inhibitor ZM447439 accelerates first meiosis in mouse oocytes by overriding the spindle assembly checkpoint. Reproduction, 2010, 140, 521-530.	1.1	60
66	A single starfish Aurora kinase performs the combined functions of Aurora-A and Aurora-B in human cells. Journal of Cell Science, 2010, 123, 3978-3988.	1.2	24
67	Prophase I arrest and progression to metaphase I in mouse oocytes: comparison of resumption of meiosis and recovery from G2-arrest in somatic cells. Molecular Human Reproduction, 2010, 16, 654-664.	1.3	116
68	Aurora kinases orchestrate mitosis; who are the players?. Biomolecular Concepts, 2010, 1, 147-155.	1.0	1
69	Breast Cancer Biomarker Discovery in the Functional Genomic Age: A Systematic Review of 42 Gene Expression Signatures. Biomarker Insights, 2010, 5, BMI.S5740.	1.0	40
70	MLN8054, an Inhibitor of Aurora A Kinase, Induces Senescence in Human Tumor Cells Both <i>In vitro</i> and <i>In vivo</i> Molecular Cancer Research, 2010, 8, 373-384.	1.5	104
71	Akt/PKB suppresses DNA damage processing and checkpoint activation in late G2. Journal of Cell Biology, 2010, 190, 297-305.	2.3	66
72	Phosphorylation and Activation of Androgen Receptor by Aurora-A. Journal of Biological Chemistry, 2010, 285, 33045-33054.	1.6	34
73	Plk1 Regulates Both ASAP Localization and Its Role in Spindle Pole Integrity. Journal of Biological Chemistry, 2010, 285, 29556-29568.	1.6	22
74	Cdk1 Activity Is Required for Mitotic Activation of Aurora A during G2/M Transition of Human Cells. Journal of Biological Chemistry, 2010, 285, 21849-21857.	1.6	64
75	A Mitotic Phosphorylation Feedback Network Connects Cdk1, Plk1, 53BP1, and Chk2 to Inactivate the G2/M DNA Damage Checkpoint. PLoS Biology, 2010, 8, e1000287.	2.6	201

#	ARTICLE	IF	Citations
76	Elevated Levels of the Polo Kinase Cdc5 Override the Mec1/ATR Checkpoint in Budding Yeast by Acting at Different Steps of the Signaling Pathway. PLoS Genetics, 2010, 6, e1000763.	1.5	49
77	Cell cycle re-entry mechanisms after DNA damage checkpoints: Giving it some gas to shut off the breaks!. Cell Cycle, 2010, 9, 2097-2101.	1.3	21
78	Phosphorylation and dephosphorylation events allow for rapid segregation of fate determinants during Drosophila neuroblast asymmetric divisions. Communicative and Integrative Biology, 2010, 3, 46-49.	0.6	9
79	A novel role for Greatwall kinase in recovery from DNA damage. Cell Cycle, 2010, 9, 4364-4369.	1.3	56
80	Radiation pharmacogenomics: A genome-wide association approach to identify radiation response biomarkers using human lymphoblastoid cell lines. Genome Research, 2010, 20, 1482-1492.	2.4	135
81	The Chromosomal Instability Pathway in Colon Cancer. Gastroenterology, 2010, 138, 2059-2072.	0.6	681
82	Aurora kinase inhibitors as anticancer molecules. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 829-839.	0.9	118
83	Polo-like kinase inhibitors: an emerging opportunity for cancer therapeutics. Expert Opinion on Investigational Drugs, 2010, 19, 27-43.	1.9	98
84	Polo-Like Kinase 1 as Predictive Marker and Therapeutic Target for Radiotherapy in Rectal Cancer. American Journal of Pathology, 2010, 177, 918-929.	1.9	58
85	Quantification and Analysis of Combination Drug Synergy in High-Throughput Transcriptome Studies. , 2010, , .		0
86	Integrated computational model of cell cycle and checkpoint reveals different essential roles of Aurora-A and Plk1 in mitotic entry. Molecular BioSystems, 2011, 7, 169-179.	2.9	11
87	<i>Arabidopsis</i> $\hat{l}$ : Aurora Kinases Function in Formative Cell Division Plane Orientation. Plant Cell, 2011, 23, 4013-4024.	3.1	97
88	How protein kinases co-ordinate mitosis in animal cells. Biochemical Journal, 2011, 435, 17-31.	1.7	111
90	Understanding the limitations of radiation-induced cell cycle checkpoints. Critical Reviews in Biochemistry and Molecular Biology, 2011, 46, 271-283.	2.3	166
91	Polo-like kinases and DNA damage checkpoint: beyond the traditional mitotic functions. Experimental Biology and Medicine, 2011, 236, 648-657.	1.1	34
92	14-3-3 proteins as signaling integration points for cell cycle control and apoptosis. Seminars in Cell and Developmental Biology, 2011, 22, 688-695.	2.3	228
93	Timeless Links Replication Termination to Mitotic Kinase Activation. PLoS ONE, 2011, 6, e19596.	1.1	19
94	Phosphorylation of AIB1 at Mitosis Is Regulated by CDK1/CYCLIN B. PLoS ONE, 2011, 6, e28602.	1.1	26

#	Article	IF	CITATIONS
96	Induction of antitumor immunity using dendritic cells electroporated with Poloâ€like kinase 1 (Plk1) mRNA in murine tumor models. Cancer Science, 2011, 102, 1448-1454.	1.7	12
97	The potential role of Aurora kinase inhibitors in haematological malignancies. British Journal of Haematology, 2011, 155, 561-579.	1.2	55
98	Absolute quantification of protein and post-translational modification abundance with stable isotope–labeled synthetic peptides. Nature Protocols, 2011, 6, 175-186.	5.5	141
99	Plk1 Controls the Nek2A-PP1γ Antagonism in Centrosome Disjunction. Current Biology, 2011, 21, 1145-1151.	1.8	115
100	The polo-like kinase inhibitor BI 2536 exhibits potent activity against malignant plasma cells and represents a novel therapy in multiple myeloma. Experimental Hematology, 2011, 39, 330-338.	0.2	18
101	Beyond ATM: The protein kinase landscape of the DNA damage response. FEBS Letters, 2011, 585, 1625-1639.	1.3	175
102	Illumination of mitotic orchestra during cell division: A polo view. Cellular Signalling, 2011, 23, 1-5.	1.7	15
103	Efficacy and pharmacokinetic/pharmacodynamic evaluation of the Aurora kinase A inhibitor MLN8237 against preclinical models of pediatric cancer. Cancer Chemotherapy and Pharmacology, 2011, 68, 1291-1304.	1.1	88
104	A Genome-Wide siRNA Screen Identifies Novel Phospho-enzymes Affecting Wnt/ $\hat{l}^2$ -Catenin Signaling in Mouse Embryonic Stem Cells. Stem Cell Reviews and Reports, 2011, 7, 910-926.	5.6	6
105	Downregulation of survivin and aurora A by histone deacetylase and RAS inhibitors: A new drug combination for cancer therapy. International Journal of Cancer, 2011, 128, 691-701.	2.3	40
106	Protein phosphatase 1 regulators in DNA damage signaling. Cell Cycle, 2011, 10, 1356-1362.	1.3	32
107	The role of Aurora-A kinase in the Golgi-dependent control of mitotic entry. Bioarchitecture, 2011, 1, 61-65.	1.5	11
108	Spatial Exclusivity Combined with Positive and Negative Selection of Phosphorylation Motifs Is the Basis for Context-Dependent Mitotic Signaling. Science Signaling, 2011, 4, ra42.	1.6	155
109	Continuous polo-like kinase 1 activity regulates diffusion to maintain centrosome self-organization during mitosis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9310-9315.	3.3	41
110	Escape from p21-mediated Oncogene-induced Senescence Leads to Cell Dedifferentiation and Dependence on Anti-apoptotic Bcl-xL and MCL1 Proteins. Journal of Biological Chemistry, 2011, 286, 12825-12838.	1.6	44
111	Aurora promotes cell division during recovery from TOR-mediated cell cycle arrest by driving spindle pole body recruitment of Polo. Journal of Cell Science, 2011, 124, 3441-3449.	1.2	16
112	<i>Aurora A</i> Is a Repressed Effector Target of the Chromatin Remodeling Protein INI1/hSNF5 Required for Rhabdoid Tumor Cell Survival. Cancer Research, 2011, 71, 3225-3235.	0.4	90
113	The Renaissance or the cuckoo clock. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3625-3634.	1.8	19

#	Article	IF	CITATIONS
114	Inhibitory Phosphorylation of Cyclin-Dependent Kinase 1 as a Compensatory Mechanism for Mitosis Exit. Molecular and Cellular Biology, 2011, 31, 1478-1491.	1.1	47
115	Greatwall and Polo-like Kinase 1 Coordinate to Promote Checkpoint Recovery. Journal of Biological Chemistry, 2011, 286, 28996-29004.	1.6	34
116	Examining the dynamics of chromosomal passenger complex (CPC)-dependent phosphorylation during cell division. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16675-16680.	3.3	39
117	The Plk1-dependent Phosphoproteome of the Early Mitotic Spindle. Molecular and Cellular Proteomics, 2011, 10, M110.004457.	2.5	201
118	Global Phosphoproteome Profiling Reveals Unanticipated Networks Responsive to Cisplatin Treatment of Embryonic Stem Cells. Molecular and Cellular Biology, 2011, 31, 4964-4977.	1.1	56
119	Quantitative Phosphoproteomics Identifies Substrates and Functional Modules of Aurora and Polo-Like Kinase Activities in Mitotic Cells. Science Signaling, 2011, 4, rs5.	1.6	447
120	Aurora A and Aurora B jointly coordinate chromosome segregation and anaphase microtubule dynamics. Journal of Cell Biology, 2011, 195, 1103-1113.	2.3	68
121	Polo-like kinase 1 regulates activation of AMP-activated protein kinase (AMPK) at the mitotic apparatus. Cell Cycle, 2011, 10, 1295-1302.	1.3	50
122	A genetic screen identifies BRCA2 and PALB2 as key regulators of G2 checkpoint maintenance. EMBO Reports, 2011, 12, 705-712.	2.0	59
123	A MEK-independent role for CRAF in mitosis and tumor progression. Nature Medicine, 2011, 17, 1641-1645.	15.2	63
124	Animal Models of Colitis-Associated Carcinogenesis. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-23.	3.0	86
125	Structure-function relationship of the Polo-like kinase in <i>Trypanosoma brucei</i> . Journal of Cell Science, 2012, 125, 1519-30.	1.2	24
126	Furry Protein Promotes Aurora A-mediated Polo-like Kinase 1 Activation. Journal of Biological Chemistry, 2012, 287, 27670-27681.	1.6	31
127	The Chromosomal Passenger Complex Activates Polo Kinase at Centromeres. PLoS Biology, 2012, 10, e1001250.	2.6	97
128	Nucleophosmin/B23 activates Aurora A at the centrosome through phosphorylation of serine 89. Journal of Cell Biology, 2012, 197, 19-26.	2.3	50
129	Pediatric Phase I Trial and Pharmacokinetic Study of MLN8237, an Investigational Oral Selective Small-Molecule Inhibitor of Aurora Kinase A: A Children's Oncology Group Phase I Consortium Study. Clinical Cancer Research, 2012, 18, 6058-6064.	3.2	110
130	Polo-like kinase-1 regulates kinetochore–microtubule dynamics and spindle checkpoint silencing. Journal of Cell Biology, 2012, 198, 491-499.	2.3	144
131	Toward an integrative view of Optineurin functions. Cell Cycle, 2012, 11, 2808-2818.	1.3	87

#	Article	IF	Citations
132	Polo-like kinase-activating kinases. Cell Cycle, 2012, 11, 1490-1495.	1.3	37
133	The CUL3-KLHL18 ligase regulates mitotic entry and ubiquitylates Aurora-A. Biology Open, 2012, 1, 82-91.	0.6	32
134	p21-activated kinase 4 regulates mitotic spindle positioning and orientation. Bioarchitecture, 2012, 2, 130-133.	1.5	2
135	Involvement of Polo-like Kinase 1 (Plk1) in Mitotic Arrest by Inhibition of Mitogen-activated Protein Kinase-Extracellular Signal-regulated Kinase-Ribosomal S6 Kinase 1 (MEK-ERK-RSK1) Cascade. Journal of Biological Chemistry, 2012, 287, 15923-15934.	1.6	26
136	Oscillation of APC/C activity during cell cycle arrest promotes centrosome amplification. Journal of Cell Science, 2012, 125, 5353-68.	1.2	39
137	Mitotic Kinases and p53 Signaling. Biochemistry Research International, 2012, 2012, 1-14.	1.5	12
138	Aurora Kinase A Drives MTOC Biogenesis but Does Not Trigger Resumption of Meiosis in Mouse Oocytes Matured In Vivo1. Biology of Reproduction, 2012, 87, 85.	1.2	36
139	Switching Polo-like kinase-1 on and off in time and space. Trends in Biochemical Sciences, 2012, 37, 534-542.	3.7	108
140	Pathways for Genome Integrity in G2 Phase of the Cell Cycle. Biomolecules, 2012, 2, 579-607.	1.8	29
141	Direct Regulation of tRNA and 5S rRNA Gene Transcription by Polo-like Kinase 1. Molecular Cell, 2012, 45, 541-552.	4.5	26
142	Plk1 and CK2 Act in Concert to Regulate Rad51 during DNA Double Strand Break Repair. Molecular Cell, 2012, 45, 371-383.	4.5	141
143	Plk1-Dependent Phosphorylation of Optineurin Provides a Negative Feedback Mechanism for Mitotic Progression. Molecular Cell, 2012, 45, 553-566.	4.5	77
144	Proliferation State and Polo-Like Kinase 1 Dependence of Tumorigenic Colon Cancer Cells. Stem Cells, 2012, 30, 1819-1830.	1.4	53
145	Kalanchoe tubiflora extract inhibits cell proliferation by affecting the mitotic apparatus. BMC Complementary and Alternative Medicine, 2012, 12, 149.	3.7	18
146	Checkpoint control and cancer. Oncogene, 2012, 31, 2601-2613.	2.6	141
147	Monitoring Kinase and Phosphatase Activities Through the Cell Cycle by Ratiometric FRET. Journal of Visualized Experiments, 2012, , e3410.	0.2	17
148	Mitotic Failures in Cancer: Aurora B Kinase and its Potential Role in the Development of Aneuploidy. Pathology and Oncology Research, 2012, 18, 761-769.	0.9	17
149	Dissecting the phenotypes of Plk1 inhibition in cancer cells using novel kinase inhibitory chemical CBB2001. Laboratory Investigation, 2012, 92, 1503-1514.	1.7	17

#	Article	IF	Citations
150	A stringent requirement for Plk1 T210 phosphorylation during K-fiber assembly and chromosome congression. Chromosoma, 2012, 121, 565-572.	1.0	22
151	Targeting of polo-like kinases and their cross talk with Aurora kinases – possible therapeutic strategies in human acute myeloid leukemia?. Expert Opinion on Investigational Drugs, 2012, 21, 587-603.	1.9	23
152	The Centrosomal Kinase Plk1 Localizes to the Transition Zone of Primary Cilia and Induces Phosphorylation of Nephrocystin-1. PLoS ONE, 2012, 7, e38838.	1.1	44
153	Protein tyrosine phosphatase receptor delta acts as a neuroblastoma tumor suppressor by destabilizing the aurora kinase a oncogene. Molecular Cancer, 2012, 11, 6.	7.9	36
154	Occurrence of Aurora A positive multipolar mitoses in distinct molecular classes of colorectal carcinomas and effect of Aurora A inhibition. Molecular Carcinogenesis, 2012, 51, 696-710.	1.3	11
155	ldentification of a novel Wnt5a-CK1Îμ-Dvl2-Plk1-mediated primary cilia disassembly pathway. EMBO Journal, 2012, 31, 3104-3117.	3.5	148
156	Breaking the ties that bind: New advances in centrosome biology. Journal of Cell Biology, 2012, 197, 11-18.	2.3	104
157	Aurora Kinase-A Inactivates DNA Damage-Induced Apoptosis and Spindle Assembly Checkpoint Response Functions of p73. Cancer Cell, 2012, 21, 196-211.	7.7	80
158	Pattern formation in centrosome assembly. Current Opinion in Cell Biology, 2012, 24, 14-23.	2.6	71
159	Nek2 localises to the distal portion of the mother centriole/basal body and is required for timely cilium disassembly at the G2/M transition. European Journal of Cell Biology, 2012, 91, 675-686.	1.6	49
160	SCF ubiquitin ligases in the maintenance of genome stability. Trends in Biochemical Sciences, 2012, 37, 66-73.	3.7	85
161	Novel regulation of checkpoint kinase 1: Is checkpoint kinase 1 a good candidate for antiâ€cancer therapy?. Cancer Science, 2012, 103, 1195-1200.	1.7	50
162	Overexpression of Aurora-A promotes laryngeal cancer progression by enhancing invasive ability and chromosomal instability. European Archives of Oto-Rhino-Laryngology, 2012, 269, 607-614.	0.8	21
163	Working hard for recovery: mitotic kinases in the DNA damage checkpoint. Cell and Bioscience, 2013, 3, 20.	2.1	18
164	Phospho-Ser/Thr-binding domains: navigating the cell cycle and DNA damage response. Nature Reviews Molecular Cell Biology, 2013, 14, 563-580.	16.1	239
165	PDK1 Signaling Toward PLK1–MYC Activation Confers Oncogenic Transformation, Tumor-Initiating Cell Activation, and Resistance to mTOR-Targeted Therapy. Cancer Discovery, 2013, 3, 1156-1171.	7.7	119
166	N-Hydroxycinnamide Derivatives of Osthole Presenting Genotoxicity and Cytotoxicity against Human Colon Adenocarcinoma Cells in Vitro and in Vivo. Chemical Research in Toxicology, 2013, 26, 1683-1691.	1.7	13
167	Aurora kinases in head and neck cancer. Lancet Oncology, The, 2013, 14, e425-e435.	5.1	55

#	Article	IF	CITATIONS
168	BimEL is phosphorylated at mitosis by Aurora A and targeted for degradation by $\hat{l}^2$ TrCP1. Cell Death and Differentiation, 2013, 20, 1393-1403.	5.0	40
169	Pin1 acts as a negative regulator of the G2/M transition through an interplay with the Aurora A/hBora complex. Journal of Cell Science, 2013, 126, 4862-72.	1.2	33
170	Calmodulin activation of polo-like kinase 1 is required during mitotic entry. Biochemistry and Cell Biology, 2013, 91, 287-294.	0.9	7
171	Fluorescent Sensors of Protein Kinases. Progress in Molecular Biology and Translational Science, 2013, 113, 217-274.	0.9	31
172	Removal of Centrosomal PP1 by NIMA Kinase Unlocks the MPF Feedback Loop to Promote Mitotic Commitment in S.Âpombe. Current Biology, 2013, 23, 213-222.	1.8	33
173	<scp>RAS</scp> promotes tumorigenesis through genomic instability induced by imbalanced expression of Auroraâ€A and <scp>BRCA2</scp> in midbody during cytokinesis. International Journal of Cancer, 2013, 133, 275-285.	2.3	34
174	Depletion of Auroraâ€A in zebrafish causes growth retardation due to mitotic delay and p53â€dependent cell death. FEBS Journal, 2013, 280, 1518-1530.	2.2	13
175	Aurora A kinase (AURKA) in normal and pathological cell division. Cellular and Molecular Life Sciences, 2013, 70, 661-687.	2.4	349
176	Effect of rosemary polyphenols on human colon cancer cells: transcriptomic profiling and functional enrichment analysis. Genes and Nutrition, 2013, 8, 43-60.	1.2	71
177	FancJ regulates interstrand crosslinker induced centrosome amplification through the activation of polo-like kinase 1. Biology Open, 2013, 2, 1022-1031.	0.6	18
178	Centrosomal protein FOR20 is essential for S-phase progression by recruiting Plk1 to centrosomes. Cell Research, 2013, 23, 1284-1295.	5.7	27
179	PI 3-kinase-dependent phosphorylation of Plk1–Ser99 promotes association with 14-3-3γ and is required for metaphase–anaphase transition. Nature Communications, 2013, 4, 1882.	5.8	51
180	Comparative Phosphoproteomic Analysis of Checkpoint Recovery Identifies New Regulators of the DNA Damage Response. Science Signaling, 2013, 6, rs9.	1.6	18
181	Spatial control of mitotic commitment in fission yeast. Biochemical Society Transactions, 2013, 41, 1766-1771.	1.6	21
182	PCM1 Recruits Plk1 to Pericentriolar Matrix to Promote Primary Cilia Disassembly before Mitotic Entry. Journal of Cell Science, 2013, 126, 1355-65.	1.2	132
183	RNF4 and PLK1 are required for replication fork collapse in ATR-deficient cells. Genes and Development, 2013, 27, 2259-2273.	2.7	98
184	Role of Cyclin B1 Levels in DNA Damage and DNA Damage-Induced Senescence. International Review of Cell and Molecular Biology, 2013, 305, 303-337.	1.6	88
185	CIP2A Modulates Cell-Cycle Progression in Human Cancer Cells by Regulating the Stability and Activity of Plk1. Cancer Research, 2013, 73, 6667-6678.	0.4	67

#	Article	IF	CITATIONS
186	Stathmin and microtubules regulate mitotic entry in HeLa cells by controlling activation of both Aurora kinase A and Plk1. Molecular Biology of the Cell, 2013, 24, 3819-3831.	0.9	23
187	Cell cycle regulation of Greatwall kinase nuclear localization facilitates mitotic progression. Journal of Cell Biology, 2013, 202, 277-293.	2.3	39
188	Bora and Aurora-A continue to activate Plk1 in mitosis. Journal of Cell Science, 2014, 127, 801-11.	1.2	86
189	Downregulation of Polo-Like Kinase 1 Induces Cellular Senescence in Human Primary Cells Through a p53-Dependent Pathway. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 1145-1156.	1.7	23
190	Aurora A is involved in central spindle assembly through phosphorylation of Ser 19 in P150Glued. Journal of Cell Biology, 2013, 201, 65-79.	2.3	52
191	Centrosome Dysfunction Contributes to Chromosome Instability, Chromoanagenesis, and Genome Reprograming in Cancer. Frontiers in Oncology, 2013, 3, 277.	1.3	115
192	Bora regulates meiotic spindle assembly and cell cycle during mouse oocyte meiosis. Molecular Reproduction and Development, 2013, 80, 474-487.	1.0	7
193	Ataxia Telangiectasia-mutated- and Rad3-related Protein Regulates the DNA Damage-induced G2/M Checkpoint through the Aurora A Cofactor Bora Protein. Journal of Biological Chemistry, 2013, 288, 16139-16144.	1.6	34
194	BRCA1 downregulates the kinase activity of Polo-like kinase 1 in response to replication stress. Cell Cycle, 2013, 12, 2255-2265.	1.3	23
195	Glycogen synthase kinase 3 $\hat{l}^2$ activity is required for hBora/Aurora A-mediated mitotic entry. Cell Cycle, 2013, 12, 953-960.	1.3	16
196	Structural basis for the inhibition of Polo-like kinase 1. Nature Structural and Molecular Biology, 2013, 20, 1047-1053.	3.6	93
197	Replication Checkpoint: Tuning and Coordination of Replication Forks in S Phase. Genes, 2013, 4, 388-434.	1.0	52
198	Coordinating cell polarity and cell cycle progression: what can we learn from flies and worms?. Open Biology, 2013, 3, 130083.	1.5	44
199	Molecular participants in regulation of the meiotic cell cycle in mammalian oocytes. Reproduction, Fertility and Development, 2013, 25, 484.	0.1	7
200	Identification of Potential Plk1 Targets in a Cell-Cycle Specific Proteome through Structural Dynamics of Kinase and Polo Box-Mediated Interactions. PLoS ONE, 2013, 8, e70843.	1.1	20
201	A High-Content Small Molecule Screen Identifies Sensitivity of Glioblastoma Stem Cells to Inhibition of Polo-Like Kinase 1. PLoS ONE, 2013, 8, e77053.	1.1	53
202	Application of FRET probes in the analysis of neuronal plasticity. Frontiers in Neural Circuits, 2013, 7, 163.	1.4	25
203	Sorcin Links Calcium Signaling to Vesicle Trafficking, Regulates Polo-Like Kinase 1 and Is Necessary for Mitosis. PLoS ONE, 2014, 9, e85438.	1.1	43

#	Article	IF	Citations
204	Therapeutic targeting of Polo-like kinase-1 and Aurora kinases in T-cell acute lymphoblastic leukemia. Cell Cycle, 2014, 13, 2237-2247.	1.3	30
205	SHCBP1 is required for midbody organization and cytokinesis completion. Cell Cycle, 2014, 13, 2744-2751.	1.3	29
206	Spatial regulation of Aurora A activity during mitotic spindle assembly requires RHAMM to correctly localize TPX2. Cell Cycle, 2014, 13, 2248-2261.	1.3	37
207	BRCA1 and FancJ cooperatively promote interstrand crosslinker induced centrosome amplification through the activation of polo-like kinase 1. Cell Cycle, 2014, 13, 3685-3697.	1.3	17
208	Liver kinase B1 regulates the centrosome via PLK1. Cell Death and Disease, 2014, 5, e1157-e1157.	2.7	17
209	Polo kinase regulates the localization and activity of the chromosomal passenger complex in meiosis and mitosis in <i>Drosophila melanogaster</i> ). Open Biology, 2014, 4, 140162.	1.5	14
210	Molecular dynamics of PLK1 during mitosis. Molecular and Cellular Oncology, 2014, 1, e954507.	0.3	72
211	Homeostatic control of polo-like kinase-1 engenders non-genetic heterogeneity in G2 checkpoint fidelity and timing. Nature Communications, 2014, 5, 4048.	5.8	42
212	Systematic Analysis of the Phosphoproteome and Kinase-substrate Networks in the Mouse Testis. Molecular and Cellular Proteomics, 2014, 13, 3626-3638.	2.5	38
213	RNAi Screen Identifies a Synthetic Lethal Interaction between PIM1 Overexpression and PLK1 Inhibition. Clinical Cancer Research, 2014, 20, 3211-3221.	3.2	18
214	Interdomain allosteric regulation of Polo kinase by Aurora B and Map205 is required for cytokinesis. Journal of Cell Biology, 2014, 207, 201-211.	2.3	34
215	Rac1-dependent recruitment of PAK2 to G <sub>2</sub> phase centrosomes and their roles in the regulation of mitotic entry. Cell Cycle, 2014, 13, 2210-2220.	1.3	34
216	Centmitor-1, a Novel Acridinyl-Acetohydrazide, Possesses Similar Molecular Interaction Field and Antimitotic Cellular Phenotype as Rigosertib, ON 01910.Na. Molecular Cancer Therapeutics, 2014, 13, 1054-1066.	1.9	6
217	Phosphorylation-mediated stabilization of Bora in mitosis coordinates Plx1/Plk1 and Cdk1 oscillations. Cell Cycle, 2014, 13, 1727-1736.	1.3	14
218	Multifaceted roles of Furry proteins in invertebrates and vertebrates. Journal of Biochemistry, 2014, 155, 137-146.	0.9	19
219	PLK1-inhibition can cause radiosensitization or radioresistance dependent on the treatment schedule. Radiotherapy and Oncology, 2014, 110, 355-361.	0.3	30
220	Amorphous no more: subdiffraction view of the pericentriolar material architecture. Trends in Cell Biology, 2014, 24, 188-197.	3.6	134
221	Deciphering the spatioâ€temporal regulation of entry and progression through mitosis. Biotechnology Journal, 2014, 9, 213-223.	1.8	5

#	Article	IF	CITATIONS
222	Developments in preclinical cancer imaging: innovating the discovery of therapeutics. Nature Reviews Cancer, 2014, 14, 314-328.	12.8	134
223	Anticancer activity of the Aurora A kinase inhibitor MK-5108 in non-small-cell lung cancer (NSCLC) in vitro as monotherapy and in combination with chemotherapies. Journal of Cancer Research and Clinical Oncology, 2014, 140, 1137-1149.	1.2	23
224	Src Family Kinases Promote Silencing of ATR-Chk1 Signaling in Termination of DNA Damage Checkpoint. Journal of Biological Chemistry, 2014, 289, 12313-12329.	1.6	28
225	Cyclin B2 and p53 control proper timing of centrosome separation. Nature Cell Biology, 2014, 16, 535-546.	4.6	142
226	Aurora-A: a potential DNA repair modulator. Tumor Biology, 2014, 35, 2831-2836.	0.8	22
227	The role of mitotic kinases in coupling the centrosome cycle with the assembly of the mitotic spindle. Journal of Cell Science, 2014, 127, 4111-22.	1.2	88
228	Centrosomes as signalling centres. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130464.	1.8	115
229	Polo-like kinases: structural variations lead to multiple functions. Nature Reviews Molecular Cell Biology, 2014, 15, 433-452.	16.1	377
230	Depletion of IK causes mitotic arrest through aberrant regulation of mitotic kinases and phosphatases. FEBS Letters, 2014, 588, 2844-2850.	1.3	15
231	The Cep192-Organized Aurora A-Plk1 Cascade Is Essential for Centrosome Cycle and Bipolar Spindle Assembly. Molecular Cell, 2014, 55, 578-591.	4.5	161
232	When genome integrity and cell cycle decisions collide: roles of polo kinases in cellular adaptation to DNA damage. Systems and Synthetic Biology, 2014, 8, 195-203.	1.0	22
233	HSP70 colocalizes with PLK1 at the centrosome and disturbs spindle dynamics in cells arrested in mitosis by arsenic trioxide. Archives of Toxicology, 2014, 88, 1711-1723.	1.9	31
234	DNA-Damage Response during Mitosis Induces Whole-Chromosome Missegregation. Cancer Discovery, 2014, 4, 1281-1289.	7.7	129
235	Genetically Encoded Fluorescent Biosensors for Live-Cell Visualization of Protein Phosphorylation. Chemistry and Biology, 2014, 21, 186-197.	6.2	86
236	Assessing Kinetics from Fixed Cells Reveals Activation of the Mitotic Entry Network at the S/G2 Transition. Molecular Cell, 2014, 53, 843-853.	4.5	65
237	Transient Activation of p53 in G2 Phase Is Sufficient to Induce Senescence. Molecular Cell, 2014, 55, 59-72.	4.5	177
238	Plk1 Phosphorylates CLIP-170 and Regulates Its Binding to Microtubules for Chromosome Alignment. Cell Structure and Function, 2014, 39, 45-59.	0.5	15
239	Aurora B-dependent phosphorylation of Ataxin-10 promotes the interaction between Ataxin-10 and Plk1 in cytokinesis. Scientific Reports, 2015, 5, 8360.	1.6	15

#	Article	IF	CITATIONS
240	PLK1 blockade enhances therapeutic effects of radiation by inducing cell cycle arrest at the mitotic phase. Scientific Reports, 2015, 5, 15666.	1.6	11
241	Spatiotemporal dynamics of Aurora B-PLK1-MCAK signaling axis orchestrates kinetochore bi-orientation and faithful chromosome segregation. Scientific Reports, 2015, 5, 12204.	1.6	43
242	Characterization of a Pyrazolo[4,3â€ <i>d</i> ]pyrimidine Inhibitor of Cyclinâ€Dependent Kinases 2 and 5 and Aurora A With Proâ€Apoptotic and Antiâ€Angiogenic Activity <i>In Vitro</i> . Chemical Biology and Drug Design, 2015, 86, 1528-1540.	1.5	16
243	Fanconi anemia cells with unrepaired DNA damage activate components of the checkpoint recovery process. Theoretical Biology and Medical Modelling, 2015, 12, 19.	2.1	18
244	Imatinib inhibits inactivation of the ATM/ATR signaling pathway and recovery from adriamycin/doxorubicinâ€induced DNA damage checkpoint arrest. Cell Biology International, 2015, 39, 923-932.	1.4	19
245	Fluorescent Reporters and Biosensors for Probing the Dynamic Behavior of Protein Kinases. Proteomes, 2015, 3, 369-410.	1.7	43
246	Spatial Separation of Plk1 Phosphorylation and Activity. Frontiers in Oncology, 2015, 5, 132.	1.3	38
247	The Non-Canonical Role of Aurora-A in DNA Replication. Frontiers in Oncology, 2015, 5, 187.	1.3	6
248	Preclinical Childhood Sarcoma Models: Drug Efficacy Biomarker Identification and Validation. Frontiers in Oncology, 2015, 5, 193.	1.3	14
249	Aurora Kinase Inhibitors: Current Status and Outlook. Frontiers in Oncology, 2015, 5, 278.	1.3	221
250	Cross-Talk between AURKA and Plk1 in Mitotic Entry and Spindle Assembly. Frontiers in Oncology, 2015, 5, 283.	1.3	77
251	Aurora A's Functions During Mitotic Exit: The Guess Who Game. Frontiers in Oncology, 2015, 5, 290.	1.3	14
252	Multiple Requirements of PLK1 during Mouse Oocyte Maturation. PLoS ONE, 2015, 10, e0116783.	1.1	75
253	Bora Downregulation Results in Radioresistance by Promoting Repair of Double Strand Breaks. PLoS ONE, 2015, 10, e0119208.	1.1	5
254	Bimodal Interaction of Mammalian Polo-Like Kinase 1 and a Centrosomal Scaffold, Cep192, in the Regulation of Bipolar Spindle Formation. Molecular and Cellular Biology, 2015, 35, 2626-2640.	1.1	41
255	The chromatin remodeller RSF1 is essential for PLK1 deposition and function at mitotic kinetochores. Nature Communications, 2015, 6, 7904.	5.8	26
256	Unique subcellular distribution of phosphorylated Plk1 (Ser137 and Thr210) in mouse oocytes during meiotic division and pPlk1 <sup>Ser137</sup> involvement in spindle formation and REC8 cleavage. Cell Cycle, 2015, 14, 3566-3579.	1.3	9
257	Plk1 and Mps1 Cooperatively Regulate the Spindle Assembly Checkpoint in Human Cells. Cell Reports, 2015, 12, 66-78.	2.9	96

#	Article	IF	Citations
258	Cyclin F suppresses B-Myb activity to promote cell cycle checkpoint control. Nature Communications, 2015, 6, 5800.	5.8	57
259	Polo-like kinase 1 inhibitor BI2536 causes mitotic catastrophe following activation of the spindle assembly checkpoint in non-small cell lung cancer cells. Cancer Letters, 2015, 357, 591-601.	3.2	45
260	Regulation of polo-like kinase 1 by DNA damage and PP2A/B55α. Cell Cycle, 2015, 14, 157-166.	1.3	28
261	The Centrosome and Its Duplication Cycle. Cold Spring Harbor Perspectives in Biology, 2015, 7, a015800.	2.3	203
262	Understanding the Polo Kinase machine. Oncogene, 2015, 34, 4799-4807.	2.6	127
263	Autoinhibition and relief mechanism for Polo-like kinase 4. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E657-66.	3.3	66
264	The same, only different $\hat{a}\in$ DNA damage checkpoints and their reversal throughout the cell cycle. Journal of Cell Science, 2015, 128, 607-20.	1.2	243
265	Polo-like kinase 1 inhibits DNA damage response during mitosis. Cell Cycle, 2015, 14, 219-231.	1.3	66
266	Aurora Kinases. , 2015, , 371-389.		1
267	Kinesins and Cancer. , 2015, , .		16
268	Cdk1 plays matchmaker for the Polo-like kinase and its activator SPAT-1/Bora. Cell Cycle, 2015, 14, 2394-2398.	1.3	8
269	The Catalytic Subunit of DNA-Dependent Protein Kinase Coordinates with Polo-Like Kinase 1 to Facilitate Mitotic Entry. Neoplasia, 2015, 17, 329-338.	2.3	13
270	Mio depletion links mTOR regulation to Aurora A and Plk1 activation at mitotic centrosomes. Journal of Cell Biology, 2015, 210, 45-62.	2.3	22
271	Cdk1 phosphorylates SPAT-1/Bora to trigger PLK-1 activation and drive mitotic entry in <i>C. elegans</i> embryos. Journal of Cell Biology, 2015, 208, 661-669.	2.3	50
272	Non-motor Spindle Proteins as Cancer Chemotherapy Targets. , 2015, , 223-249.		0
273	Aurora Kinase A Is Upregulated in Cutaneous T-Cell Lymphoma and Represents a Potential Therapeutic Target. Journal of Investigative Dermatology, 2015, 135, 2292-2300.	0.3	21
274	Sirt1 Regulates Microtubule Dynamics Through Negative Regulation of Plk1 in Mitosis. Journal of Cellular Biochemistry, 2015, 116, 1888-1897.	1.2	10
275	MASTL promotes cyclin B1 destruction by enforcing Cdc20-independent binding of cyclin B1 to the APC/C. Biology Open, 2015, 4, 484-495.	0.6	12

#	Article	IF	CITATIONS
276	Recent Advances and New Strategies in Targeting Plk1 for Anticancer Therapy. Trends in Pharmacological Sciences, 2015, 36, 858-877.	4.0	100
277	Selective blockade of cancer cell proliferation and anchorage-independent growth by Plk1 activity–dependent suicidal inhibition of its polo-box domain. Cell Cycle, 2015, 14, 3624-3634.	1.3	9
278	Targeting Polo-Like Kinases: A Promising Therapeutic Approach for Cancer Treatment. Translational Oncology, 2015, 8, 185-195.	1.7	145
279	AIBp regulates mitotic entry and mitotic spindle assembly by controlling activation of both Aurora-A and Plk1. Cell Cycle, 2015, 14, 2764-2776.	1.3	16
280	Visualization of Compartmentalized Kinase Activity Dynamics Using Adaptable BimKARs. Chemistry and Biology, 2015, 22, 1470-1479.	6.2	32
281	Spindle assembly checkpoint inactivation fails to suppress neuroblast tumour formation in aurA mutant Drosophila. Nature Communications, 2015, 6, 8879.	5.8	21
282	Detection of Reactive Oxygen Species During the Cell Cycle Under Normal Culture Conditions Using a Modified Fixed-Sample Staining Method. Journal of Immunoassay and Immunochemistry, 2015, 36, 149-161.	0.5	9
283	The aurora kinases in cell cycle and leukemia. Oncogene, 2015, 34, 537-545.	2.6	263
284	Centrosome dynamics as a source of chromosomal instability. Trends in Cell Biology, 2015, 25, 65-73.	3.6	72
285	The master Greatwall kinase, a critical regulator of mitosis and meiosis. International Journal of Developmental Biology, 2016, 60, 245-254.	0.3	22
286	Maintaining Genome Stability in Defiance of Mitotic DNA Damage. Frontiers in Genetics, 2016, 7, 128.	1.1	4
287	Aurora-A Kinase as a Promising Therapeutic Target in Cancer. Frontiers in Oncology, 2015, 5, 295.	1.3	76
288	PTEN regulates PLK1 and controls chromosomal stability during cell division. Cell Cycle, 2016, 15, 2476-2485.	1.3	31
289	The Ski Protein is Involved in the Transformation Pathway of Aurora Kinase A. Journal of Cellular Biochemistry, 2016, 117, 334-343.	1.2	3
290	Purinergic A2b Receptor Activation by Extracellular Cues Affects Positioning of the Centrosome and Nucleus and Causes Reduced Cell Migration. Journal of Biological Chemistry, 2016, 291, 15388-15403.	1.6	6
291	A novel <scp>ATM</scp> â€dependent checkpoint defect distinct from loss of function mutation promotes genomic instability in melanoma. Pigment Cell and Melanoma Research, 2016, 29, 329-339.	1.5	8
292	Aurora kinase A is essential for correct chromosome segregation in mouse zygote. Zygote, 2016, 24, 326-337.	0.5	15
293	Understanding of â€~Networks' In Vitro and/or In Vivo. , 2016, , 141-152.		0

#	Article	IF	CITATIONS
294	Targeting the Cell Cycle in Breast Cancer. Breast Diseases, 2016, 27, 256-260.	0.0	0
296	Mitotic Exit Function of Polo-like Kinase Cdc5 Is Dependent on Sequential Activation by Cdk1. Cell Reports, 2016, 15, 2050-2062.	2.9	26
297	Studying Kinetochore Kinases. Methods in Molecular Biology, 2016, 1413, 333-347.	0.4	6
298	Cdk1 Phosphorylates SPAT-1/Bora to Promote Plk1 Activation in C.Âelegans and Human Cells. Cell Reports, 2016, 15, 510-518.	2.9	45
299	Augmented expression of Polo-like kinase 1 is a strong predictor of shorter cancer-specific overall survival in early stage breast cancer at 15-year follow-up. Oncology Letters, 2016, 12, 1667-1674.	0.8	28
300	Gastric Cancer Patients with High PLK1 Expression and DNA Aneuploidy Correlate with Poor Prognosis. Oncology, 2016, 91, 31-40.	0.9	23
301	Reduced kinase activity of polo kinase Cdc5 affects chromosome stability and DNA damage response in <i>S. cerevisiae</i> . Cell Cycle, 2016, 15, 2906-2919.	1.3	16
302	Aurora kinase-A overexpression in mouse mammary epithelium induces mammary adenocarcinomas harboring genetic alterations shared with human breast cancer. Carcinogenesis, 2016, 37, bgw097.	1.3	22
303	Mutational landscape, clonal evolution patterns, and role of RAS mutations in relapsed acute lymphoblastic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11306-11311.	3.3	151
304	Mitotic entry: The interplay between Cdk1, Plk1 and Bora. Cell Cycle, 2016, 15, 3177-3182.	1.3	29
305	Ciliogenesis and the DNA damage response: a stressful relationship. Cilia, 2016, 5, 19.	1.8	44
306	Deciphering the Interplay among Multisite Phosphorylation, Interaction Dynamics, and Conformational Transitions in a Tripartite Protein System. ACS Central Science, 2016, 2, 445-455.	5.3	28
307	Phospho-Pon Binding-Mediated Fine-Tuning of Plk1 Activity. Structure, 2016, 24, 1110-1119.	1.6	20
308	Hypoxiaâ€induced alterations of G2 checkpoint regulators. Molecular Oncology, 2016, 10, 764-773.	2.1	17
309	Regulation of TBK1 activity by Optineurin contributes to cell cycle-dependent expression of the interferon pathway. Cytokine and Growth Factor Reviews, 2016, 29, 23-33.	3.2	18
310	MLL5 maintains spindle bipolarity by preventing aberrant cytosolic aggregation of PLK1. Journal of Cell Biology, 2016, 212, 829-843.	2.3	4
311	Regulation of the centrosome cycle. Molecular and Cellular Oncology, 2016, 3, e1075643.	0.3	35
312	PLK-1: Angel or devil for cell cycle progression. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1865, 190-203.	3.3	34

#	Article	IF	CITATIONS
313	Jade-1S phosphorylation induced by CK1 $\hat{l}_{\pm}$ contributes to cell cycle progression. Cell Cycle, 2016, 15, 1034-1045.	1.3	9
314	The Aurora kinase inhibitors in cancer research and therapy. Journal of Cancer Research and Clinical Oncology, 2016, 142, 1995-2012.	1.2	44
315	Ubiquitin, the centrosome, and chromosome segregation. Chromosome Research, 2016, 24, 77-91.	1.0	12
316	Boolean modeling identifies Greatwall/MASTL as an important regulator in the AURKA network of neuroblastoma. Cancer Letters, 2016, 371, 79-89.	3.2	38
317	Spatiotemporal Investigation of Phosphorylation Events During Cell Cycle Progression. Methods in Molecular Biology, 2016, 1342, 157-171.	0.4	3
318	The role of Plk3 in oncogenesis. Oncogene, 2016, 35, 135-147.	2.6	79
319	Aurora-A promotes the establishment of spindle assembly checkpoint by priming the Haspin-Aurora-B feedback loop in late G2 phase. Cell Discovery, 2017, 3, 16049.	3.1	25
320	Overexpression of TNKS1BP1 in lung cancers and its involvement in homologous recombination pathway of DNA doubleâ€strand breaks. Cancer Medicine, 2017, 6, 483-493.	1.3	18
321	Cell cycle proteins as promising targets in cancer therapy. Nature Reviews Cancer, 2017, 17, 93-115.	12.8	1,418
322	AURKA, DLGAP5, TPX2, KIF11 and CKAP5: Five specific mitosis-associated genes correlate with poor prognosis for non-small cell lung cancer patients. International Journal of Oncology, 2017, 50, 365-372.	1.4	110
323	Mitotic DNA Damage Response: At the Crossroads of Structural and Numerical Cancer Chromosome Instabilities. Trends in Cancer, 2017, 3, 225-234.	3.8	59
324	A water-mediated allosteric network governs activation of Aurora kinase A. Nature Chemical Biology, 2017, 13, 402-408.	3.9	53
325	The G2 checkpoint—a nodeâ€based molecular switch. FEBS Open Bio, 2017, 7, 439-455.	1.0	36
326	PLK1, A Potential Target for Cancer Therapy. Translational Oncology, 2017, 10, 22-32.	1.7	291
327	Plk1 Phosphorylation of Mre11 Antagonizes the DNA Damage Response. Cancer Research, 2017, 77, 3169-3180.	0.4	45
328	PLK1 Activation in Late G2 Sets Up Commitment to Mitosis. Cell Reports, 2017, 19, 2060-2073.	2.9	149
329	Aurora Kinase A Promotes AR Degradation via the E3 Ligase CHIP. Molecular Cancer Research, 2017, 15, 1063-1072.	1.5	27
330	<scp>ATM</scp> /Wip1 activities at chromatin control Plk1 reâ€activation to determine G2 checkpoint duration. EMBO Journal, 2017, 36, 2161-2176.	3 <b>.</b> 5	37

#	Article	IF	CITATIONS
331	G <sub>1</sub> /S phase progression is regulated by PLK1 degradation through the CDK1/ $\hat{l}^2$ TrCP axis. FASEB Journal, 2017, 31, 2925-2936.	0.2	17
332	Functional Effects of AKT3 on Aurora Kinase Inhibitor-induced Aneuploidy. Journal of Biological Chemistry, 2017, 292, 1910-1924.	1.6	4
333	Kinase signaling and targeted therapy for primary myelofibrosis. Experimental Hematology, 2017, 48, 32-38.	0.2	8
334	Phosphoproteome-based kinase activity profiling reveals the critical role of MAP2K2 and PLK1 in neuronal autophagy. Autophagy, 2017, 13, 1969-1980.	4.3	48
335	Phospho-H1 Decorates the Inter-chromatid Axis and Is Evicted along with Shugoshin by SET during Mitosis. Molecular Cell, 2017, 67, 579-593.e6.	4.5	20
336	Computationally-guided optimization of small-molecule inhibitors of the Aurora A kinase–TPX2 protein–protein interaction. Chemical Communications, 2017, 53, 9372-9375.	2.2	15
337	SUMOylation Promotes Nuclear Import and Stabilization of Polo-like Kinase 1 to Support Its Mitotic Function. Cell Reports, 2017, 21, 2147-2159.	2.9	53
338	The responses of cancer cells to PLK1 inhibitors reveal a novel protective role for p53 in maintaining centrosome separation. Scientific Reports, 2017, 7, 16115.	1.6	27
339	SUMOylation regulates the localization and activity of Polo-like kinase 1 during cell cycle in the silkworm, Bombyx mori. Scientific Reports, 2017, 7, 15536.	1.6	9
340	Recent Advances of Cell-Cycle Inhibitor Therapies for Pediatric Cancer. Cancer Research, 2017, 77, 6489-6498.	0.4	53
341	Poloâ€like kinaseâ€1 immunoreactivity is associated with metastases in cutaneous melanoma. Journal of Cutaneous Pathology, 2017, 44, 819-826.	0.7	5
342	Cervical Cancer Growth Is Regulated by a c-ABL–PLK1 Signaling Axis. Cancer Research, 2017, 77, 1142-1154.	0.4	32
343	Inhibition of Polo-like kinase 1 during the DNA damage response is mediated through loss of Aurora A recruitment by Bora. Oncogene, 2017, 36, 1840-1848.	2.6	33
344	Designed inhibitor for nuclear localization signal of poloâ€like kinase 1 induces mitotic arrest. Chemical Biology and Drug Design, 2017, 89, 732-740.	1.5	5
345	Coupling of Polo kinase activation to nuclear localization by a bifunctional NLS is required during mitotic entry. Nature Communications, 2017, 8, 1701.	5.8	36
346	HMMR acts in the PLK1-dependent spindle positioning pathway and supports neural development. ELife, 2017, 6, .	2.8	41
347	FRET-Based Biosensors: Genetically Encoded Tools to Track Kinase Activity in Living Cells. , 0, , .		7
348	Regulation of Aurora Kinases and Their Activity. , 2017, , .		1

#	Article	IF	CITATIONS
349	Stabilization of 4E-BP1 by PI3K kinase and its involvement in CHK2 phosphorylation in the cellular response to radiation. International Journal of Medical Sciences, 2017, 14, 452-461.	1.1	4
350	Quantitative proteomic and phosphoproteomic comparison of human colon cancer DLD-1 cells differing in ploidy and chromosome stability. Molecular Biology of the Cell, 2018, 29, 1031-1047.	0.9	41
351	Network perturbation analysis of gene transcriptional profiles reveals protein targets and mechanism of action of drugs and influenza A viral infection. Nucleic Acids Research, 2018, 46, e34-e34.	6.5	33
352	Doxorubicin-induced DNA Damage Causes Extensive Ubiquitination of Ribosomal Proteins Associated with a Decrease in Protein Translation*. Molecular and Cellular Proteomics, 2018, 17, 2297-2308.	2.5	28
353	Temporal and SUMO-specific SUMOylation contribute to the dynamics of Polo-like kinase 1 (PLK1) and spindle integrity during mouse oocyte meiosis. Developmental Biology, 2018, 434, 278-291.	0.9	19
354	Gravin regulates centrosome function through PLK1. Molecular Biology of the Cell, 2018, 29, 532-541.	0.9	20
355	Live-cell Imaging with Genetically Encoded Protein Kinase Activity Reporters. Cell Structure and Function, 2018, 43, 61-74.	0.5	23
356	Inhibition of TACC3 by a small molecule inhibitor in breast cancer. Biochemical and Biophysical Research Communications, 2018, 498, 1085-1092.	1.0	16
357	Aurora A kinase activity is required to maintain the spindle assembly checkpoint active during pro-metaphase. Journal of Cell Science, 2018, 131, .	1.2	26
358	Aurora A regulates the architecture of the Golgi apparatus. Experimental Cell Research, 2018, 367, 73-80.	1.2	7
359	Functions and regulation of the Polo-like kinase Cdc5 in the absence and presence of DNA damage. Current Genetics, 2018, 64, 87-96.	0.8	30
360	FRET-Based Enzyme Activity Reporter: Practical Hints for Kinases as Indicators of Virulence. , 2018, , .		0
361	The Roles of Cullin RING Ligases and the Anaphase Promoting Complex/Cyclosome in the Regulation of DNA Double Strand Break Repair., 2018,,.		0
362	Regulating a key mitotic regulator, poloâ€ike kinase 1 (PLK1). Cytoskeleton, 2018, 75, 481-494.	1.0	80
363	Gossypin inhibits gastric cancer growth by direct targeting of <scp>AURKA</scp> and <scp>RSK2</scp> . Phytotherapy Research, 2019, 33, 640-650.	2.8	18
364	Quantitative conformational profiling of kinase inhibitors reveals origins of selectivity for Aurora kinase activation states. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11894-E11903.	3.3	52
365	Difference Between Left-Sided and Right-Sided Colorectal Cancer: A Focused Review of Literature. Gastroenterology Research, 2018, 11, 264-273.	0.4	294
366	The functional diversity of Aurora kinases: a comprehensive review. Cell Division, 2018, 13, 7.	1.1	245

#	Article	IF	Citations
367	Functional Proteomics and Deep Network Interrogation Reveal a Complex Mechanism of Action of Midostaurin in Lung Cancer Cells. Molecular and Cellular Proteomics, 2018, 17, 2434-2447.	2.5	17
368	PLK1 targets CtIP to promote microhomology-mediated end joining. Nucleic Acids Research, 2018, 46, 10724-10739.	6.5	26
369	Global assessment of its network dynamics reveals that the kinase Plk1 inhibits the phosphatase PP6 to promote Aurora A activity. Science Signaling, 2018, $11$ , .	1.6	25
370	Orally Bioavailable and Blood–Brain Barrier-Penetrating ATM Inhibitor (AZ32) Radiosensitizes Intracranial Gliomas in Mice. Molecular Cancer Therapeutics, 2018, 17, 1637-1647.	1.9	46
371	Integrating the DNA damage and protein stress responses during cancer development and treatment. Journal of Pathology, 2018, 246, 12-40.	2.1	79
372	A PIM-CHK1 signaling pathway regulates PLK1 phosphorylation and function during mitosis. Journal of Cell Science, 2018, 131, .	1.2	7
373	A dynamic mechanism for allosteric activation of Aurora kinase A by activation loop phosphorylation. ELife, 2018, 7, .	2.8	62
374	The multifaceted allosteric regulation of Aurora kinase A. Biochemical Journal, 2018, 475, 2025-2042.	1.7	44
375	Targeting Cell Cycle Proteins in Brain Cancer. , 2018, , 271-290.		0
376	Modulation of the Allosteric Communication between the Polo-Box Domain and the Catalytic Domain in Plk1 by Small Compounds. ACS Chemical Biology, 2018, 13, 1921-1931.	1.6	12
377	Molecular Regulation of Cell Cycle and Cell Cycle-Targeted Therapies in Head and Neck Squamous Cell Carcinoma (HNSCC). Current Cancer Research, 2018, , 185-227.	0.2	0
378	Dissection of Protein Kinase Pathways in Live Cells Using Photoluminescent Probes: Surveillance or Interrogation?. Chemosensors, 2018, 6, 19.	1.8	2
379	WAC Promotes Polo-like Kinase 1 Activation for Timely Mitotic Entry. Cell Reports, 2018, 24, 546-556.	2.9	16
380	Mechanisms of Mitotic Kinase Regulation: A Structural Perspective. Frontiers in Cell and Developmental Biology, 2018, 6, 6.	1.8	10
381	Coordination of Protein Kinase and Phosphoprotein Phosphatase Activities in Mitosis. Frontiers in Cell and Developmental Biology, 2018, 6, 30.	1.8	51
382	Size matters! Aurora A controls Drosophila larval development. Developmental Biology, 2018, 440, 88-98.	0.9	19
383	Targeting AURKA-CDC25C axis to induce synthetic lethality in ARID1A-deficient colorectal cancer cells. Nature Communications, 2018, 9, 3212.	5.8	97
384	A unified view of spatio-temporal control of mitotic entry: Polo kinase as the key. Open Biology, 2018, 8, .	1.5	32

#	Article	IF	CITATIONS
385	Aurora-PLK1 cascades as key signaling modules in the regulation of mitosis. Science Signaling, 2018, 11, .	1.6	146
386	Cyclin A-cdk1-Dependent Phosphorylation of Bora Is the Triggering Factor Promoting Mitotic Entry. Developmental Cell, 2018, 45, 637-650.e7.	3.1	79
387	<code><scp>FAM</scp></code> 83D directs protein kinase <code><scp>CK</scp></code> $1\hat{l}\pm$ to the mitotic spindle for proper spindle positioning. EMBO Reports, 2019, 20, e47495.	2.0	28
388	Writing and erasing MYC ubiquitination and SUMOylation. Genes and Diseases, 2019, 6, 359-371.	1.5	55
389	Discovery of Inhibitors of Aurora/PLK Targets as Anticancer Agents. Journal of Medicinal Chemistry, 2019, 62, 7697-7707.	2.9	10
390	<p>Polo-like kinase 1 inhibition in NSCLC: mechanism of action and emerging predictive biomarkers</p> . Lung Cancer: Targets and Therapy, 2019, Volume 10, 67-80.	1.3	6
391	The Centrosome and the Primary Cilium: The Yin and Yang of a Hybrid Organelle. Cells, 2019, 8, 701.	1.8	70
392	VISAGE Reveals a Targetable Mitotic Spindle Vulnerability in Cancer Cells. Cell Systems, 2019, 9, 74-92.e8.	2.9	24
393	Differential Requirements for Centrioles in Mitotic Centrosome Growth and Maintenance. Developmental Cell, 2019, 50, 355-366.e6.	3.1	58
394	Positive expression of basic transcription factor 3 predicts poor survival of colorectal cancer patients: possible mechanisms involved. Cell Death and Disease, 2019, 10, 509.	2.7	7
395	Dual PDK1/Aurora Kinase A Inhibitors Reduce Pancreatic Cancer Cell Proliferation and Colony Formation. Cancers, 2019, 11, 1695.	1.7	4
396	DNA replication and mitotic entry: A brake model for cell cycle progression. Journal of Cell Biology, 2019, 218, 3892-3902.	2.3	46
397	Triggering mitosis. FEBS Letters, 2019, 593, 2868-2888.	1.3	61
398	Recycling End-of-Life Electric Vehicle Lithium-Ion Batteries. Joule, 2019, 3, 2622-2646.	11.7	569
399	The role of aurora A and polo-like kinases in high-risk lymphomas. Blood Advances, 2019, 3, 1778-1787.	2.5	15
400	A supramolecular hydrogel to boost the production of antibodies for phosphorylated proteins. Chemical Communications, 2019, 55, 12388-12391.	2.2	19
401	Cep85 Relays Plk1 Activity to Phosphorylated Nek2A for Its Timely Activation in Centrosome Disjunction. IScience, 2019, 11, 114-133.	1.9	4
402	Hyper-activation of Aurora kinase a-polo-like kinase 1-FOXM1 axis promotes chronic myeloid leukemia resistance to tyrosine kinase inhibitors. Journal of Experimental and Clinical Cancer Research, 2019, 38, 216.	3.5	11

#	Article	IF	Citations
403	A methylation-phosphorylation switch determines Plk1 kinase activity and function in DNA damage repair. Science Advances, 2019, 5, eaau7566.	4.7	52
404	DNA Damage Stress: Cui Prodest?. International Journal of Molecular Sciences, 2019, 20, 1073.	1.8	15
405	Ghrelin Upregulates Oncogenic Aurora A to Promote Renal Cell Carcinoma Invasion. Cancers, 2019, 11, 303.	1.7	11
406	Combined Aurora Kinase A (AURKA) and WEE1 Inhibition Demonstrates Synergistic Antitumor Effect in Squamous Cell Carcinoma of the Head and Neck. Clinical Cancer Research, 2019, 25, 3430-3442.	3.2	51
407	TPX2/Aurora kinase A signaling as a potential therapeutic target in genomically unstable cancer cells. Oncogene, 2019, 38, 852-867.	2.6	43
408	Cullin 3, a cellular scripter of the non-proteolytic ubiquitin code. Seminars in Cell and Developmental Biology, 2019, 93, 100-110.	2.3	24
409	Activation of the oncogenic transcription factor B-Myb via multisite phosphorylation and prolyl <i>cis/trans</i> isomerization. Nucleic Acids Research, 2019, 47, 103-121.	6.5	69
410	Megakaryocyte polyploidization: role in platelet production. Platelets, 2020, 31, 707-716.	1.1	20
411	Insights into the non-mitotic functions of Aurora kinase A: more than just cell division. Cellular and Molecular Life Sciences, 2020, 77, 1031-1047.	2.4	60
412	Covalent Aurora A regulation by the metabolic integrator coenzyme A. Redox Biology, 2020, 28, 101318.	3.9	45
413	FOCAD loss impacts microtubule assembly, G2/M progression and patient survival in astrocytic gliomas. Acta Neuropathologica, 2020, 139, 175-192.	3.9	15
414	Aurora A Kinase Inhibition Destabilizes PAX3-FOXO1 and MYCN and Synergizes with Navitoclax to Induce Rhabdomyosarcoma Cell Death. Cancer Research, 2020, 80, 832-842.	0.4	31
415	The effect of inhibitors of phosphatidylinositol 3-kinase-related kinases on dibenzo[def,p]chrysene genotoxicity measured by l³H2AX levels and neutral comet assay in HepG2 human hepatocellular cancer cells. Toxicology in Vitro, 2020, 63, 104749.	1.1	3
416	A Biosensor for the Mitotic Kinase MPS1 Reveals Spatiotemporal Activity Dynamics and Regulation. Current Biology, 2020, 30, 3862-3870.e6.	1.8	20
417	A Systematic Analysis of Dysregulated Long Non-Coding RNAs/microRNAs/mRNAs in Lung Squamous Cell Carcinoma. American Journal of the Medical Sciences, 2020, 360, 701-710.	0.4	2
418	BORA regulates cell proliferation and migration in bladder cancer. Cancer Cell International, 2020, 20, 290.	1.8	1
419	RACK1 regulates centriole duplication through the activation of polo-like kinase 1 by Aurora A. Journal of Cell Science, 2020, 133, .	1.2	6
420	Redox priming promotes Aurora A activation during mitosis. Science Signaling, 2020, 13, .	1.6	18

#	Article	IF	Citations
421	The Apparent Requirement for Protein Synthesis during G2 Phase Is due to Checkpoint Activation. Cell Reports, 2020, 32, 107901.	2.9	19
422	Chromatin regulators and their impact on DNA repair and G2 checkpoint recovery. Cell Cycle, 2020, 19, 2083-2093.	1.3	8
423	Aurora kinases and DNA damage response. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2020, 821, 111716.	0.4	36
424	Polo-like kinase in trypanosomes: an odd member out of the Polo family. Open Biology, 2020, 10, 200189.	1.5	7
425	Kv10.1 Regulates Microtubule Dynamics during Mitosis. Cancers, 2020, 12, 2409.	1.7	13
426	FRET-Based Sorting of Live Cells Reveals Shifted Balance between PLK1 and CDK1 Activities During Checkpoint Recovery. Cells, 2020, 9, 2126.	1.8	2
427	Suppression of multiple processes relevant to cancer progression by benzyl isothiocyanate may result from the inhibition of Aurora A kinase activity. Food and Function, 2020, 11, 9010-9019.	2.1	8
428	Centrosomal Localization of RXRα Promotes PLK1 Activation and Mitotic Progression and Constitutes a Tumor Vulnerability. Developmental Cell, 2020, 55, 707-722.e9.	3.1	6
429	Phosphoâ€regulation of mitotic spindle assembly. Cytoskeleton, 2020, 77, 558-578.	1.0	11
430	The CINs of Polo-Like Kinase 1 in Cancer. Cancers, 2020, 12, 2953.	1.7	19
431	A guiding torch at the poles: the multiple roles of spindle microtubule-organizing centers during cell division. Cell Cycle, 2020, 19, 1405-1421.	1.3	3
432	AURKA destruction is decoupled from its activity at mitotic exit but essential to suppress interphase activity. Journal of Cell Science, 2020, 133, .	1.2	18
433	Polo-like kinase 1 (Plk1) is a positive regulator of DNA replication in the Xenopus in vitro system. Cell Cycle, 2020, 19, 1817-1832.	1.3	7
434	Phosphorylation of PLK3 Is Controlled by Protein Phosphatase 6. Cells, 2020, 9, 1506.	1.8	7
435	Aurora A regulation by reversible cysteine oxidation reveals evolutionarily conserved redox control of Ser/Thr protein kinase activity. Science Signaling, 2020, 13, .	1.6	65
436	Synthetic Lethal Targeting of Mitotic Checkpoints in HPV-Negative Head and Neck Cancer. Cancers, 2020, 12, 306.	1.7	19
437	Regulation of Mitotic Exit by Cell Cycle Checkpoints: Lessons From Saccharomyces cerevisiae. Genes, 2020, 11, 195.	1.0	18
438	The Centrosome Linker and Its Role in Cancer and Genetic Disorders. Trends in Molecular Medicine, 2020, 26, 380-393.	3.5	25

#	Article	IF	CITATIONS
439	Proteogenomic Characterization of Endometrial Carcinoma. Cell, 2020, 180, 729-748.e26.	13.5	296
440	Mitotic kinase anchoring proteins: the navigators of cell division. Cell Cycle, 2020, 19, 505-524.	1.3	12
441	Aurora Borealis (Bora), Which Promotes Plk1 Activation by Aurora A, Has an Oncogenic Role in Ovarian Cancers, 2020, 12, 886.	1.7	12
442	Identification and characterization of deschloro-chlorothricin obtained from a large natural product library targeting aurora A kinase in multiple myeloma. Investigational New Drugs, 2021, 39, 348-361.	1.2	2
443	BUB1 and CENP-U, Primed by CDK1, Are the Main PLK1 Kinetochore Receptors in Mitosis. Molecular Cell, 2021, 81, 67-87.e9.	4.5	66
444	Cyclin A2 localises in the cytoplasm at the S/G2 transition to activate PLK1. Life Science Alliance, 2021, 4, e202000980.	1.3	21
446	Mitotic syndicates Aurora Kinase B (AURKB) and mitotic arrest deficient 2 like 2 (MAD2L2) in cohorts of DNA damage response (DDR) and tumorigenesis. Mutation Research - Reviews in Mutation Research, 2021, 787, 108376.	2.4	22
447	PEITC: A Resounding Molecule Averts Metastasis in Breast Cancer Cells <i>in vitro</i> by Targeting Serine/Threonine Kinase Interplay. SSRN Electronic Journal, 0, , .	0.4	O
448	Targeting AURKA in Cancer: molecular mechanisms and opportunities for Cancer therapy. Molecular Cancer, 2021, 20, 15.	7.9	243
449	Staying Connected: Transcriptomics in the Search for Novel Diabetic Kidney Disease Treatments. Diabetes, 2021, 70, 326-327.	0.3	O
451	OTUD6A Is an Aurora Kinase A-Specific Deubiquitinase. International Journal of Molecular Sciences, 2021, 22, 1936.	1.8	6
452	Clinical Candidates Targeting the ATR–CHK1–WEE1 Axis in Cancer. Cancers, 2021, 13, 795.	1.7	50
453	A polo-like kinase modulates cytokinesis and flagella biogenesis in Giardia lamblia. Parasites and Vectors, 2021, 14, 182.	1.0	5
454	The Phosphorylation Status of Drp1-Ser637 by PKA in Mitochondrial Fission Modulates Mitophagy via PINK1/Parkin to Exert Multipolar Spindles Assembly during Mitosis. Biomolecules, 2021, 11, 424.	1.8	23
455	Bora phosphorylation substitutes in trans for T-loop phosphorylation in Aurora A to promote mitotic entry. Nature Communications, 2021, 12, 1899.	5.8	18
456	Dysregulation of the centrosome induced by BRCA1 deficiency contributes to tissueâ€specific carcinogenesis. Cancer Science, 2021, 112, 1679-1687.	1.7	15
457	Aurora kinase A is essential for meiosis in mouse oocytes. PLoS Genetics, 2021, 17, e1009327.	1.5	35
458	AMPKα2 activation by an energy-independent signal ensures chromosomal stability during mitosis. IScience, 2021, 24, 102363.	1.9	4

#	Article	IF	CITATIONS
460	Recent progress in agents targeting polo-like kinases: Promising therapeutic strategies. European Journal of Medicinal Chemistry, 2021, 217, 113314.	2.6	13
461	The Involvement of Ubiquitination Machinery in Cell Cycle Regulation and Cancer Progression. International Journal of Molecular Sciences, 2021, 22, 5754.	1.8	41
462	Dysregulated G2 phase checkpoint recovery pathway reduces DNA repair efficiency and increases chromosomal instability in a wide range of tumours. Oncogenesis, 2021, 10, 41.	2.1	3
463	Identification and assessment of PLK1/2/3/4 in lung adenocarcinoma and lung squamous cell carcinoma: Evidence from methylation profile. Journal of Cellular and Molecular Medicine, 2021, 25, 6652-6663.	1.6	9
464	Feedback control of PLK1 by Apolo1 ensures accurate chromosome segregation. Cell Reports, 2021, 36, 109343.	2.9	15
465	PARP1 and CHK1 coordinate PLK1 enzymatic activity during the DNA damage response to promote homologous recombination-mediated repair. Nucleic Acids Research, 2021, 49, 7554-7570.	6.5	28
466	Centriole is the pivot coâ€ordinating dynamic signaling for cell proliferation and organization during early development in the vertebrates. Cell Biology International, 2021, 45, 2178-2197.	1.4	1
467	Intrinsic bioactivity of black phosphorus nanomaterials on mitotic centrosome destabilization through suppression of PLK1 kinase. Nature Nanotechnology, 2021, 16, 1150-1160.	15.6	62
468	Synthetic Strategies of Pyrimidine-Based Scaffolds as Aurora Kinase and Polo-like Kinase Inhibitors. Molecules, 2021, 26, 5170.	1.7	8
469	Inhibition of Pim-2 kinase by LT-171-861 promotes DNA damage and exhibits enhanced lethal effects with PARP inhibitor in multiple myeloma. Biochemical Pharmacology, 2021, 190, 114648.	2.0	4
472	Aurora a kinase (AURKA) is required for male germline maintenance and regulates sperm motility in the mouse. Biology of Reproduction, $2021,  ,$	1.2	5
473	Phosphoproteomics identifies potential downstream targets of the integrin $\hat{l}\pm2\hat{l}^21$ inhibitor BTT-3033 in prostate stromal cells. Annals of Translational Medicine, 2021, 9, 1380-1380.	0.7	4
474	Quantifying and visualising the nuances of cellular dynamics inÂvivo using intravital imaging. Current Opinion in Cell Biology, 2021, 72, 41-53.	2.6	7
475	PLK-1 Regulation of Asymmetric Cell Division in the Early C. elegans Embryo. Frontiers in Cell and Developmental Biology, 2020, 8, 632253.	1.8	7
476	Protein Kinases and Protein Phosphatases that Regulate Meiotic Maturation in Mouse Oocytes. Results and Problems in Cell Differentiation, 2011, 53, 309-341.	0.2	27
477	Avasimibe exerts anticancer effects on human glioblastoma cells via inducing cell apoptosis and cell cycle arrest. Acta Pharmacologica Sinica, 2021, 42, 97-107.	2.8	25
478	Use of the Polo-like kinase 4 (PLK4) inhibitor centrinone to investigate intracellular signalling networks using SILAC-based phosphoproteomics. Biochemical Journal, 2020, 477, 2451-2475.	1.7	23
479	Functions and regulation of the serine/threonine protein kinase CK1 family: moving beyond promiscuity. Biochemical Journal, 2020, 477, 4603-4621.	1.7	31

#	Article	IF	Citations
482	Polo-Like Kinase-1 Controls Aurora A Destruction by Activating APC/C-Cdh1. PLoS ONE, 2009, 4, e5282.	1.1	30
483	Quantitative Live Imaging of Endogenous DNA Replication in Mammalian Cells. PLoS ONE, 2012, 7, e45726.	1.1	66
484	NFBD1/MDC1 Is Phosphorylated by PLK1 and Controls G2/M Transition through the Regulation of a TOPOIIα-Mediated Decatenation Checkpoint. PLoS ONE, 2013, 8, e82744.	1.1	9
485	The Functional Significance of Posttranslational Modifications on Polo-Like Kinase 1 Revealed by Chemical Genetic Complementation. PLoS ONE, 2016, 11, e0150225.	1.1	10
486	Aurora kinase A inhibitors: promising agents in antitumoral therapy. Expert Opinion on Therapeutic Targets, 2014, 18, 1377-93.	1.5	53
487	PHF6 promotes nonâ€homologous end joining and G2 checkpoint recovery. EMBO Reports, 2020, 21, e48460.	2.0	22
488	The GSK461364 PLK1 inhibitor exhibits strong antitumoral activity in preclinical neuroblastoma models. Oncotarget, 2017, 8, 6730-6741.	0.8	34
489	Regulatory functional territory of PLK-1 and their substrates beyond mitosis. Oncotarget, 2017, 8, 37942-37962.	0.8	12
490	Cell cycle protein Bora serves as a novel poor prognostic factor in multiple adenocarcinomas. Oncotarget, 2017, 8, 43838-43852.	0.8	9
491	Involvement of Polo-like kinase 1 (Plk1) in quiescence regulation of cancer stem-like cells of the gastric cancer cell lines. Oncotarget, 2017, 8, 37633-37645.	0.8	11
492	<i>FAM83D</i> , a microtubule-associated protein, promotes tumor growth and progression of human gastric cancer. Oncotarget, 2017, 8, 74479-74493.	0.8	21
493	Picropodophyllin causes mitotic arrest and catastrophe by depolymerizing microtubules via Insulin-like growth factor-1 receptor-independent mechanism. Oncotarget, 2014, 5, 8379-8392.	0.8	23
494	Cardiac glycoside bufalin blocks cancer cell growth by inhibition of Aurora A and Aurora B activation via PI3K-Akt pathway. Oncotarget, 2018, 9, 13783-13795.	0.8	16
495	ERα-mediated cell cycle progression is an important requisite for CDK4/6 inhibitor response in HR+ breast cancer. Oncotarget, 2018, 9, 27736-27751.	0.8	11
496	Co-inhibition of polo-like kinase 1 and Aurora kinases promotes mitotic catastrophe. Oncotarget, 2015, 6, 9327-9340.	0.8	26
497	Mitotic entry: Non-genetic heterogeneity exposes the requirement for Plk1. Oncotarget, 2015, 6, 36472-36488.	0.8	11
498	Indirect p53-dependent transcriptional repression of <i>Survivin, CDC25C, </i> and <i>PLK1 </i> genes requires the cyclin-dependent kinase inhibitor p21/CDKN1A and CDE/CHR promoter sites binding the DREAM complex. Oncotarget, 2015, 6, 41402-41417.	0.8	48
499	Polo-like kinase 1 mediates BRCA1 phosphorylation and recruitment at DNA double-strand breaks. Oncotarget, 2016, 7, 2269-2283.	0.8	27

#	Article	IF	CITATIONS
500	The E1B19K-deleted oncolytic adenovirus mutant Adî"19K sensitizes pancreatic cancer cells to drug-induced DNA-damage by down-regulating Claspin and Mre11. Oncotarget, 2016, 7, 15703-15724.	0.8	20
501	ER maleate is a novel anticancer agent in oral cancer: implications for cancer therapy. Oncotarget, 2016, 7, 17162-17181.	0.8	8
502	The Role of Shcbp1 in Signaling and Disease. Current Cancer Drug Targets, 2019, 19, 854-862.	0.8	20
503	Checkpoint recovery in cells: how a molecular understanding can help in the fight against cancer. F1000 Biology Reports, 2011, 3, 10.	4.0	21
504	Targeting the cell cycle in esophageal adenocarcinoma: An adjunct to anticancer treatment. World Journal of Gastroenterology, 2011, 17, 2063.	1.4	11
505	Molecular mechanism of Aurora A kinase autophosphorylation and its allosteric activation by TPX2. ELife, 2014, 3, e02667.	2.8	112
506	Structure, Activity, and Function of the Protein Lysine Methyltransferase G9a. Life, 2021, 11, 1082.	1.1	20
507	Cell Cycle Regulation and DNA Damage. , 2009, , 81-107.		0
508	Effects of DNA damage on oocyte meiotic maturation and early embryonic development. Frontiers of Agricultural Science and Engineering, 2014, 1, 185.	0.9	0
517	Effects of Aurora kinase A on mouse decidualization via Stat3-plk1-cdk1 pathway. Reproductive Biology and Endocrinology, 2021, 19, 162.	1.4	1
518	AURKA suppression induces DU145 apoptosis and sensitizes DU145 to docetaxel treatment. American Journal of Translational Research (discontinued), 2013, 5, 359-67.	0.0	14
519	A novel microtubule inhibitor, MT3-037, causes cancer cell apoptosis by inducing mitotic arrest and interfering with microtubule dynamics. American Journal of Cancer Research, 2016, 6, 747-63.	1.4	2
520	Interleukin enhancer binding factor 2 is a prognostic biomarker for breast cancer that also predicts neoadjuvant chemotherapy responses. American Journal of Translational Research (discontinued), 2018, 10, 1677-1689.	0.0	6
521	Present and Future Prospect of Small Molecule & Related Targeted Therapy Against Human Cancer. Vivechan International Journal of Research, 2018, 9, 36-49.	0.0	4
522	Polo-like kinase 1 as a therapeutic target for malignant peripheral nerve sheath tumors (MPNST) and schwannomas. American Journal of Cancer Research, 2020, 10, 856-869.	1.4	2
523	The role of Aurora-A in human cancers and future therapeutics. American Journal of Cancer Research, 2020, 10, 2705-2729.	1.4	11
524	Roles of RACK1 in centrosome regulation and carcinogenesis. Cellular Signalling, 2022, 90, 110207.	1.7	9
525	A dimerization-dependent mechanism regulates enzymatic activation and nuclear entry of PLK1. Oncogene, 2022, 41, 372-386.	2.6	10

#	Article	IF	CITATIONS
526	Comprehensive kinomic study via a chemical proteomic approach reveals kinome reprogramming in hepatocellular carcinoma tissues. Proteomics, 2021, , 2100141.	1.3	0
529	The Role of Mitotic Kinases and the RZZ Complex in Kinetochore-Microtubule Attachments: Doing the Right Link. Frontiers in Cell and Developmental Biology, 2022, 10, 787294.	1.8	7
530	Network models of prostate cancer immune microenvironments identify ROMO1 as heterogeneity and prognostic marker. Scientific Reports, 2022, 12, 192.	1.6	8
531	Therapeutic Targeting of DNA Damage Response in Cancer. International Journal of Molecular Sciences, 2022, 23, 1701.	1.8	26
532	Small cell lung cancer; recent advances of its biology and therapeutic perspective. Respiratory Investigation, 2022, 60, 197-204.	0.9	4
533	PLK1 regulates the PrimPol damage tolerance pathway during the cell cycle. Science Advances, 2021, 7, eabh1004.	4.7	10
534	Chk1 dynamics in G2 phase upon replication stress predict daughter cell outcome. Developmental Cell, 2022, 57, 638-653.e5.	3.1	13
535	Identification of 14-3-3 proteins, Polo kinase, and RNA-binding protein Pes4 as key regulators of meiotic commitment in budding yeast. Current Biology, 2022, 32, 1534-1547.e9.	1.8	12
536	Phosphorylation-Dependent Regulation of WNT/Beta-Catenin Signaling. Frontiers in Oncology, 2022, 12, 858782.	1.3	24
537	The spindle assembly checkpoint and the spatial activation of Polo kinase determine the duration of cell division and prevent tumor formation. PLoS Genetics, 2022, 18, e1010145.	1.5	3
539	Phenylboronic Acid-Modified Polyamidoamine Mediated the Transfection of Polo-Like Kinase-1 siRNA to Achieve an Anti-Tumor Efficacy. International Journal of Nanomedicine, 2021, Volume 16, 8037-8048.	3.3	2
540	An updated view on the centrosome as a cell cycle regulator. Cell Division, 2022, 17, 1.	1.1	10
541	Aurora kinase a inhibitor MLN8237 suppresses pancreatic cancer growth. Pancreatology, 2022, 22, 619-625.	0.5	6
542	The phosphorylation and dephosphorylation switch of VCP/p97 regulates the architecture of centrosome and spindle. Cell Death and Differentiation, 2022, 29, 2070-2088.	5.0	8
544	Recent Progress on the Localization of PLK1 to the Kinetochore and Its Role in Mitosis. International Journal of Molecular Sciences, 2022, 23, 5252.	1.8	4
545	PPP4C facilitates homologous recombination DNA repair by dephosphorylating PLK1 during early embryo development. Development (Cambridge), 2022, 149, .	1.2	2
546	The functions and effects of CUL3-E3 ligases mediated non-degradative ubiquitination. Gene, 2022, 832, 146562.	1.0	8
547	Kinase inhibitors: An overview. , 2022, , 1-22.		2

#	Article	lF	CITATIONS
550	MAP9 Exhibits Protumor Activities and Immune Escape toward Bladder Cancer by Mediating TGF- $\hat{l}^21$ Pathway. Journal of Oncology, 2022, 2022, 1-14.	0.6	0
551	Englerin A Rewires Phosphosignaling via Hsp27 Hyperphosphorylation to Induce Cytotoxicity in Renal Cancer Cells. Journal of Proteome Research, 2022, 21, 1948-1960.	1.8	3
552	Polo-like Kinase 1 Inhibitors in Human Cancer Therapy: Development and Therapeutic Potential. Journal of Medicinal Chemistry, 2022, 65, 10133-10160.	2.9	34
553	Centrosome Defects in Hematological Malignancies: Molecular Mechanisms and Therapeutic Insights. Blood Science, 2022, 4, 143-151.	0.4	4
554	Biosensors for the detection of protein kinases: Recent progress and challenges. Microchemical Journal, 2022, 182, 107961.	2.3	4
555	PP1 phosphatases control PAR-2 localization and polarity establishment in <i>C. elegans</i> Journal of Cell Biology, 2022, 221, .	2.3	4
556	DNA damage checkpoint execution and the rules of its disengagement. Frontiers in Cell and Developmental Biology, 0, $10$ , .	1.8	9
559	PEITC: A resounding molecule averts metastasis in breast cancer cells in vitro by targeting serine/threonine kinase interplay. Heliyon, 2022, , e11656.	1.4	0
560	Understanding of â€~Networks' In Vitro and/or In Vivo. , 2016, , 344-355.		0
561	Targeted AURKA degradation: Towards new therapeutic agents for neuroblastoma. European Journal of Medicinal Chemistry, 2023, 247, 115033.	2.6	3
562	Plk1 Inhibitors and Abiraterone Synergistically Disrupt Mitosis and Kill Cancer Cells of Disparate Origin Independently of Androgen Receptor Signaling. Cancer Research, 2023, 83, 219-238.	0.4	4
563	Multiple Roles of PLK1 in Mitosis and Meiosis. Cells, 2023, 12, 187.	1.8	7
564	Cell cycle kinases (AUKA, CDK1, PLK1) are prognostic biomarkers and correlated with tumor-infiltrating leukocytes in HBV related HCC. Journal of Biomolecular Structure and Dynamics, 2023, 41, 11845-11861.	2.0	1
565	An atlas of substrate specificities for the human serine/threonine kinome. Nature, 2023, 613, 759-766.	13.7	140
567	Master mitotic kinases regulate viral genome delivery during papillomavirus cell entry. Nature Communications, 2023, 14, .	5.8	5
568	<scp>UBAP2L</scp> â€dependent coupling of <scp>PLK1</scp> localization and stability during mitosis. EMBO Reports, 2023, 24, .	2.0	3
569	Anti-Leukaemic Activity of Rilpivirine Is Mediated by Aurora A Kinase Inhibition. Cancers, 2023, 15, 1044.	1.7	0
570	Combined transcriptomics and in-silico approach uncovers the role of prognostic biomarkers in hepatocellular carcinoma., 2023, 35, 201154.		4

#	Article	IF	CITATIONS
571	Monitoring Chk1 kinase activity dynamics in live single cell imaging assays. Methods in Cell Biology, 2024, , 221-236.	0.5	0
573	<scp>APC</scp> /Câ€dependent degradation of Spd2 regulates centrosome asymmetry in <i>Drosophila</i> neural stemÂcells. EMBO Reports, 2023, 24, .	2.0	3
574	Reverse tracking from drug-induced transcriptomes through multilayer molecular networks reveals hidden drug targets. Computers in Biology and Medicine, 2023, 158, 106881.	3.9	0
592	Dissecting the Multiple Functions of the Polo-Like Kinase 1 in the C. elegans Zygote. Methods in Molecular Biology, 2024, , 63-88.	0.4	0
593	Stem Cell Therapy for High-Risk Neuroblastoma: Stem Cell Transplantation and Targeting Cancer Stem Cells. , 2024, , .		0