Andrew Burgess

List of Publications by Year in Descending Order

62 papers	3,639 citations	27 h-index	60 g-index
74 ext. papers	4,218 ext. citations	9 avg, IF	5.06 L-index

#	Paper	IF	Citations
62	Cep55 regulation of PI3K/Akt signaling is required for neocortical development and ciliogenesis. *PLoS Genetics*, **2021**, 17, e1009334	6	0
61	A non-genetic, cell cycle-dependent mechanism of platinum resistance in lung adenocarcinoma. *ELife*, **2021**, 10,	8.9	3
60	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. *Science Advances*, **2021**, 7, eabh0363	14.3	5
59	Breathing New Life into the Mechanisms of Platinum Resistance in Lung Adenocarcinoma. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 305	5.7	5
58	Rapid Intestinal Uptake and Targeted Delivery to the Liver Endothelium Using Orally Administered Silver Sulfide Quantum Dots. *ACS Nano*, **2020**, 14, 1492-1507	16.7	15
57	Trp53 and Rb1 regulate autophagy and ligand-dependent Hedgehog signaling. *Journal of Clinical Investigation*, **2020**, 130, 4006-4018	15.9	8
56	Analysis of pulsed cisplatin signalling dynamics identifies effectors of resistance in lung adenocarcinoma. *ELife*, **2020**, 9,	8.9	6
55	Multiple interaction nodes define the postreplication repair response to UV-induced DNA damage that is defective in melanomas and correlated with UV signature mutation load. *Molecular Oncology* , **2020**, 14, 22-41	7.9	2
54	Cep55 overexpression promotes genomic instability and tumorigenesis in mice. *Communications Biology*, **2020**, 3, 593	6.7	5
53	Cyclin E2 Promotes Whole Genome Doubling in Breast Cancer. *Cancers*, **2020**, 12,	6.6	7
52	YB-1 Knockdown Inhibits the Proliferation of Mesothelioma Cells through Multiple Mechanisms. *Cancers*, **2020**, 12,	6.6	3
51	SnapShot: S-Phase Entry and Exit. *Cell*, **2019**, 179, 802-802.e1	56.2	2
50	Why Be One Protein When You Can Affect Many? The Multiple Roles of YB-1 in Lung Cancer and Mesothelioma. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 221	5.7	17
49	Label free, quantitative single-cell fate tracking of time-lapse movies. *MethodsX*, **2019**, 6, 2468-2475	1.9	6
48	Evolutionary Divergence of Enzymatic Mechanisms for Tubulin Detyrosination. *Cell Reports*, **2019**, 29, 4159-4171.e6	10.6	11
47	The tumor suppressor Hic1 maintains chromosomal stability independent of Tp53. *Oncogene*, **2018**, 37, 1939-1948	9.2	12
46	Tailored first-line and second-line CDK4-targeting treatment combinations in mouse models of pancreatic cancer. *Gut*, **2018**, 67, 2142-2155	19.2	71

45	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. *Science Translational Medicine*, **2018**, 10,	17.5	23
44	MASTL overexpression promotes chromosome instability and metastasis in breast cancer. *Oncogene*, **2018**, 37, 4518-4533	9.2	27
43	The E3 ubiquitin ligase UBR5 regulates centriolar satellite stability and primary cilia. *Molecular Biology of the Cell*, **2018**, 29, 1542-1554	3.5	20
42	The Oncogenic Functions of MASTL Kinase. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 162	5.7	15
41	SnapShot: Phosphoregulation of Mitosis. *Cell*, **2017**, 169, 1358-1358.e1	56.2	10
40	The role of canonical and non-canonical Hedgehog signaling in tumor progression in a mouse model of small cell lung cancer. *Oncogene*, **2017**, 36, 5544-5550	9.2	40
39	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. *Science Translational Medicine*, **2017**, 9,	17.5	159
38	Ensa controls S-phase length by modulating Treslin levels. *Nature Communications*, **2017**, 8, 206	17.4	31
37	AndyS Algorithms: new automated digital image analysis pipelines for FIJI. *Scientific Reports*, **2017**, 7, 15717	4.9	24
36	The role of MDM2 and MDM4 in breast cancer development and prevention. *Journal of Molecular Cell Biology*, **2017**, 9, 53-61	6.3	38
35	Clinical Overview of MDM2/X-Targeted Therapies. *Frontiers in Oncology*, **2016**, 6, 7	5.3	215
34	PP1 initiates the dephosphorylation of MASTL, triggering mitotic exit and bistability in human cells. *Journal of Cell Science*, **2016**, 129, 1340-54	5.3	31
33	Mechanisms regulating phosphatase specificity and the removal of individual phosphorylation sites during mitotic exit. *BioEssays*, **2016**, 38 Suppl 1, S24-32	4.1	17
32	Cdc25 Family Phosphatases in Cancer **2016**, 283-306		1
31	Mechanisms regulating phosphatase specificity and the removal of individual phosphorylation sites during mitotic exit. *Inside the Cell*, **2016**, 1, 27-35		
30	Cyclin E2 is the predominant E-cyclin associated with NPAT in breast cancer cells. *Cell Division*, **2015**, 10, 1	2.8	12
29	Dataset from the global phosphoproteomic mapping of early mitotic exit in human cells. *Data in Brief*, **2015**, 5, 45-52	1.2	7
28	Global Phosphoproteomic Mapping of Early Mitotic Exit in Human Cells Identifies Novel Substrate Dephosphorylation Motifs. *Molecular and Cellular Proteomics*, **2015**, 14, 2194-212	7.6	47

27	Degrading Claspin away with Cdh1 and Cyclin A. *Cell Cycle*, **2015**, 14, 171	4.7	
26	Partial inhibition of Cdk1 in G 2 phase overrides the SAC and decouples mitotic events. *Cell Cycle*, **2014**, 13, 1400-12	4.7	609
25	Stressing mitosis to death. *Frontiers in Oncology*, **2014**, 4, 140	5.3	31
24	Cyclin E2 induces genomic instability by mechanisms distinct from cyclin E1. *Cell Cycle*, **2013**, 12, 606-17	4.7	37
23	Role of endoplasmic reticulum stress induction by the plant toxin, persin, in overcoming resistance to the apoptotic effects of tamoxifen in human breast cancer cells. *British Journal of Cancer*, **2013**, 109, 3034-41	8.7	12
22	A UVR-induced G2-phase checkpoint response to ssDNA gaps produced by replication fork bypass of unrepaired lesions is defective in melanoma. *Journal of Investigative Dermatology*, **2012**, 132, 1681-8	4.3	16
21	Quantitative live imaging of endogenous DNA replication in mammalian cells. *PLoS ONE*, **2012**, 7, e45726	3.7	54
20	Characterization of the mechanisms controlling Greatwall activity. *Molecular and Cellular Biology*, **2011**, 31, 2262-75	4.8	52
19	RSK2 is a kinetochore-associated protein that participates in the spindle assembly checkpoint. *Oncogene*, **2010**, 29, 3566-74	9.2	10
18	R43 Caractérisation des sites de phosphorylation de la nouvelle kinase Greatwall et leur implication dans le contrôle de la progression mitotique. *Bulletin Du Cancer*, **2010**, 97, S32	2.4	
17	Constant regulation of both the MPF amplification loop and the Greatwall-PP2A pathway is required for metaphase II arrest and correct entry into the first embryonic cell cycle. *Journal of Cell Science*, **2010**, 123, 2281-91	5.3	68
16	The substrate of Greatwall kinase, Arpp19, controls mitosis by inhibiting protein phosphatase 2A. *Science*, **2010**, 330, 1673-7	33.3	301
15	Loss of human Greatwall results in G2 arrest and multiple mitotic defects due to deregulation of the cyclin B-Cdc2/PP2A balance. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 12564-9	11.5	562
14	Greatwall maintains mitosis through regulation of PP2A. *EMBO Journal*, **2009**, 28, 2786-93	13	145
13	Chfr interacts and colocalizes with TCTP to the mitotic spindle. *Oncogene*, **2008**, 27, 5554-66	9.2	45
12	Pin1 stabilizes Emi1 during G2 phase by preventing its association with SCF(betatrcp). *EMBO Reports*, **2007**, 8, 91-8	6.5	44
11	Inhibition of S/G2 phase CDK4 reduces mitotic fidelity. *Journal of Biological Chemistry*, **2006**, 281, 9987-95	5.4	29
10	Exploiting novel cell cycle targets in the development of anticancer agents. *Current Cancer Drug Targets*, **2005**, 5, 85-102	2.8	17

9	The EBNA-3 gene family proteins disrupt the G2/M checkpoint. *Oncogene*, **2004**, 23, 1342-53	9.2	54
8	Histone deacetylase inhibitors specifically kill nonproliferating tumour cells. *Oncogene*, **2004**, 23, 6693-701	9.2	118
7	Defining the chemotherapeutic targets of histone deacetylase inhibitors. *Annals of the New York Academy of Sciences*, **2004**, 1030, 627-35	6.5	8
6	Tumor cell-selective cytotoxicity by targeting cell cycle checkpoints. *FASEB Journal*, **2003**, 17, 1550-2	0.9	121
5	Mechanism of mitosis-specific activation of MEK1. *Journal of Biological Chemistry*, **2003**, 278, 16747-54	5.4	44
4	Histone hyperacetylation induced by histone deacetylase inhibitors is not sufficient to cause growth inhibition in human dermal fibroblasts. *Journal of Biological Chemistry*, **2001**, 276, 22491-9	5.4	49
3	Up-regulation of p21(WAF1/CIP1) by histone deacetylase inhibitors reduces their cytotoxicity. *Molecular Pharmacology*, **2001**, 60, 828-37	4.3	88
2	Histone deacetylase inhibitors trigger a G2 checkpoint in normal cells that is defective in tumor cells. *Molecular Biology of the Cell*, **2000**, 11, 2069-83	3.5	228
1	Cep55 overexpression promotes genomic instability and tumorigenesis in mice		2