

# Andrew Burgess

## List of Publications by Year in descending order

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66  
papers

4,566  
citations

172207

29  
h-index

133063

59  
g-index

74  
all docs

74  
docs citations

74  
times ranked

8693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial inhibition of Cdk1 in G <sub>2</sub> phase overrides the SAC and decouples mitotic events. <i>Cell Cycle</i> , 2014, 13, 1400-1412.	1.3	773
2	Loss of human Greatwall results in G2 arrest and multiple mitotic defects due to deregulation of the cyclin B-Cdc2/PP2A balance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12564-12569.	3.3	652
3	The Substrate of Greatwall Kinase, Arpp19, Controls Mitosis by Inhibiting Protein Phosphatase 2A. <i>Science</i> , 2010, 330, 1673-1677.	6.0	377
4	Clinical Overview of MDM2/X-Targeted Therapies. <i>Frontiers in Oncology</i> , 2016, 6, 7.	1.3	266
5	Histone Deacetylase Inhibitors Trigger a G2 Checkpoint in Normal Cells That Is Defective in Tumor Cells. <i>Molecular Biology of the Cell</i> , 2000, 11, 2069-2083.	0.9	246
6	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	208
7	Greatwall maintains mitosis through regulation of PP2A. <i>EMBO Journal</i> , 2009, 28, 2786-2793.	3.5	195
8	Tumor cell-specific cytotoxicity by targeting cell cycle checkpoints. <i>FASEB Journal</i> , 2003, 17, 1-21.	0.2	132
9	Histone deacetylase inhibitors specifically kill nonproliferating tumour cells. <i>Oncogene</i> , 2004, 23, 6693-6701.	2.6	129
10	Up-regulation of p21(WAF1/CIP1) by histone deacetylase inhibitors reduces their cytotoxicity. <i>Molecular Pharmacology</i> , 2001, 60, 828-37.	1.0	104
11	Tailored first-line and second-line CDK4-targeting treatment combinations in mouse models of pancreatic cancer. <i>Gut</i> , 2018, 67, 2142-2155.	6.1	100
12	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. <i>Journal of Cell Science</i> , 2010, 123, 2281-2291.	1.2	76
13	Characterization of the Mechanisms Controlling Greatwall Activity. <i>Molecular and Cellular Biology</i> , 2011, 31, 2262-2275.	1.1	70
14	Quantitative Live Imaging of Endogenous DNA Replication in Mammalian Cells. <i>PLoS ONE</i> , 2012, 7, e45726.	1.1	66
15	Global Phosphoproteomic Mapping of Early Mitotic Exit in Human Cells Identifies Novel Substrate Dephosphorylation Motifs. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2194-2212.	2.5	63
16	Histone Hyperacetylation Induced by Histone Deacetylase Inhibitors Is Not Sufficient to Cause Growth Inhibition in Human Dermal Fibroblasts. <i>Journal of Biological Chemistry</i> , 2001, 276, 22491-22499.	1.6	58
17	The EBNA-3 gene family proteins disrupt the G2/M checkpoint. <i>Oncogene</i> , 2004, 23, 1342-1353.	2.6	56
18	The role of MDM2 and MDM4 in breast cancer development and prevention. <i>Journal of Molecular Cell Biology</i> , 2017, 9, 53-61.	1.5	56

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19	Chfr interacts and colocalizes with TCTP to the mitotic spindle. <i>Oncogene</i> , 2008, 27, 5554-5566.	2.6	55
20	The role of canonical and non-canonical Hedgehog signaling in tumor progression in a mouse model of small cell lung cancer. <i>Oncogene</i> , 2017, 36, 5544-5550.	2.6	52
21	Mechanism of Mitosis-specific Activation of MEK1. <i>Journal of Biological Chemistry</i> , 2003, 278, 16747-16754.	1.6	49
22	Ensa controls S-phase length by modulating Treslin levels. <i>Nature Communications</i> , 2017, 8, 206.	5.8	48
23	Cyclin E2 induces genomic instability by mechanisms distinct from cyclin E1. <i>Cell Cycle</i> , 2013, 12, 606-617.	1.3	47
24	Pin1 stabilizes Emi1 during G2 phase by preventing its association with SCF <sup>Î²trcp</sup> . <i>EMBO Reports</i> , 2007, 8, 91-98.	2.0	45
25	Andyâ€™s Algorithms: new automated digital image analysis pipelines for Fiji. <i>Scientific Reports</i> , 2017, 7, 15717.	1.6	45
26	MASTL overexpression promotes chromosome instability and metastasis in breast cancer. <i>Oncogene</i> , 2018, 37, 4518-4533.	2.6	45
27	PP1 initiates the dephosphorylation of MASTL, triggering mitotic exit and bistability in human cells. <i>Journal of Cell Science</i> , 2016, 129, 1340-54.	1.2	44
28	Stressing Mitosis to Death. <i>Frontiers in Oncology</i> , 2014, 4, 140.	1.3	39
29	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	32
30	Rapid Intestinal Uptake and Targeted Delivery to the Liver Endothelium Using Orally Administered Silver Sulfide Quantum Dots. <i>ACS Nano</i> , 2020, 14, 1492-1507.	7.3	32
31	Inhibition of S/G2 Phase CDK4 Reduces Mitotic Fidelity*. <i>Journal of Biological Chemistry</i> , 2006, 281, 9987-9995.	1.6	29
32	The E3 ubiquitin ligase UBR5 regulates centriolar satellite stability and primary cilia. <i>Molecular Biology of the Cell</i> , 2018, 29, 1542-1554.	0.9	27
33	Mechanisms regulating phosphatase specificity and the removal of individual phosphorylation sites during mitotic exit. <i>BioEssays</i> , 2016, 38, S24-32.	1.2	26
34	The Oncogenic Functions of MASTL Kinase. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 162.	1.8	26
35	Why Be One Protein When You Can Affect Many? The Multiple Roles of YB-1 in Lung Cancer and Mesothelioma. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 221.	1.8	26
36	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. <i>Science Advances</i> , 2021, 7, eabh0363.	4.7	23

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37	The tumor suppressor Hic1 maintains chromosomal stability independent of Tp53. <i>Oncogene</i> , 2018, 37, 1939-1948.	2.6	18
38	Exploiting Novel Cell Cycle Targets in the Development of Anticancer Agents. <i>Current Cancer Drug Targets</i> , 2005, 5, 85-102.	0.8	18
39	Cyclin E2 is the predominant E-cyclin associated with NPAT in breast cancer cells. <i>Cell Division</i> , 2015, 10, 1.	1.1	17
40	Evolutionary Divergence of Enzymatic Mechanisms for Tubulin Detyrosination. <i>Cell Reports</i> , 2019, 29, 4159-4171.e6.	2.9	17
41	Cep55 overexpression promotes genomic instability and tumorigenesis in mice. <i>Communications Biology</i> , 2020, 3, 593.	2.0	17
42	A UVR-Induced G2-Phase Checkpoint Response to ssDNA Gaps Produced by Replication Fork Bypass of Unrepaired Lesions Is Defective in Melanoma. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1681-1688.	0.3	16
43	Cyclin E2 Promotes Whole Genome Doubling in Breast Cancer. <i>Cancers</i> , 2020, 12, 2268.	1.7	15
44	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. <i>British Journal of Cancer</i> , 2013, 109, 3034-3041.	2.9	14
45	A non-genetic, cell cycle-dependent mechanism of platinum resistance in lung adenocarcinoma. <i>ELife</i> , 2021, 10, .	2.8	14
46	Label free, quantitative single-cell fate tracking of time-lapse movies. <i>MethodsX</i> , 2019, 6, 2468-2475.	0.7	13
47	SnapShot: Phosphoregulation of Mitosis. <i>Cell</i> , 2017, 169, 1358-1358.e1.	13.5	12
48	RSK2 is a kinetochore-associated protein that participates in the spindle assembly checkpoint. <i>Oncogene</i> , 2010, 29, 3566-3574.	2.6	11
49	Trp53 and Rb1 regulate autophagy and ligand-dependent Hedgehog signaling. <i>Journal of Clinical Investigation</i> , 2020, 130, 4006-4018.	3.9	10
50	Breathing New Life into the Mechanisms of Platinum Resistance in Lung Adenocarcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 305.	1.8	9
51	Defining the Chemotherapeutic Targets of Histone Deacetylase Inhibitors. <i>Annals of the New York Academy of Sciences</i> , 2004, 1030, 627-635.	1.8	8
52	Dataset from the global phosphoproteomic mapping of early mitotic exit in human cells. <i>Data in Brief</i> , 2015, 5, 45-52.	0.5	8
53	YB-1 Knockdown Inhibits the Proliferation of Mesothelioma Cells through Multiple Mechanisms. <i>Cancers</i> , 2020, 12, 2285.	1.7	8
54	Analysis of pulsed cisplatin signalling dynamics identifies effectors of resistance in lung adenocarcinoma. <i>ELife</i> , 2020, 9, .	2.8	7

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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. <i>Molecular Oncology</i> , 2020, 14, 22-41.	2.1	5
56	Cep55 regulation of PI3K/Akt signaling is required for neocortical development and ciliogenesis. <i>PLoS Genetics</i> , 2021, 17, e1009334.	1.5	4
57	SnapShot: S-Phase Entry and Exit. <i>Cell</i> , 2019, 179, 802-802.e1.	13.5	2
58	Cdc25 Family Phosphatases in Cancer. , 2016, , 283-306.		1
59	Inhibition of S/G2 phase CDK4 reduces mitotic fidelity. <i>Melanoma Research</i> , 2006, 16, S5.	0.6	0
60	R43 Caract�risation des sites de phosphorylation de la nouvelle kinase Greatwall et leur implication dans le contr�le de la progression mitotique. <i>Bulletin Du Cancer</i> , 2010, 97, S32.	0.6	0
61	Degrading Claspin away with Cdh1 and Cyclin A. <i>Cell Cycle</i> , 2015, 14, 171-171.	1.3	0
62	Mechanisms regulating phosphatase specificity and the removal of individual phosphorylation sites during mitotic exit. <i>Inside the Cell</i> , 2016, 1, 27-35.	0.4	0
63	P2.06-32 YB-1 - A Key Factor in Mesothelioma Aggressive Growth and Behaviour. <i>Journal of Thoracic Oncology</i> , 2018, 13, S755.	0.5	0
64	Abstract 4197: A DNA damage checkpoint response to unrepaired ultraviolet radiation-induced lesions which is defective in melanoma. , 2011, , .		0
65	MASTL Facilitates Mitotic Progression. <i>Reactome - A Curated Knowledgebase of Biological Pathways</i> , 0, 43, .	0.0	0
66	Mechanisms underlying uncontrolled genome doubling in breast cancer. <i>Oncology Abstracts</i> , 0, , .	0.0	0