

David Af Gillespie

List of Publications by Citations

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

81
papers

4,932
citations

31
h-index

70
g-index

85
ext. papers

5,462
ext. citations

8
avg. IF

5.27
L-index

#	Paper	IF	Citations
81	The ATM-Chk2 and ATR-Chk1 pathways in DNA damage signaling and cancer. <i>Advances in Cancer Research</i> , 2010 , 108, 73-112	5.9	790
80	Mutant p53 drives invasion by promoting integrin recycling. <i>Cell</i> , 2009 , 139, 1327-41	56.2	600
79	Phosphorylation of HuR by Chk2 regulates SIRT1 expression. <i>Molecular Cell</i> , 2007 , 25, 543-57	17.6	437
78	Chk1 regulates the density of active replication origins during the vertebrate S phase. <i>EMBO Journal</i> , 2007 , 26, 2719-31	13	198
77	Chk1 is required for spindle checkpoint function. <i>Developmental Cell</i> , 2007 , 12, 247-60	10.2	197
76	Chk1-deficient tumour cells are viable but exhibit multiple checkpoint and survival defects. <i>EMBO Journal</i> , 2003 , 22, 713-23	13	183
75	Akt: a double-edged sword in cell proliferation and genome stability. <i>Journal of Oncology</i> , 2012 , 2012, 951724	4.5	169
74	Molecular mechanism and biological functions of c-Jun N-terminal kinase signalling via the c-Jun transcription factor. <i>Cellular Signalling</i> , 2002 , 14, 585-93	4.9	164
73	Chk1 requirement for high global rates of replication fork progression during normal vertebrate S phase. <i>Molecular and Cellular Biology</i> , 2006 , 26, 3319-26	4.8	149
72	Cells deficient in the FANCD/BRCA pathway are hypersensitive to plasma levels of formaldehyde. <i>Cancer Research</i> , 2007 , 67, 11117-22	10.1	134
71	Loss of autophagy causes a synthetic lethal deficiency in DNA repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 773-8	11.5	102
70	DNA damage induces Chk1-dependent centrosome amplification. <i>EMBO Reports</i> , 2007 , 8, 603-9	6.5	95
69	Vertebrate cells genetically deficient for Cdc14A or Cdc14B retain DNA damage checkpoint proficiency but are impaired in DNA repair. <i>Journal of Cell Biology</i> , 2010 , 189, 631-9	7.3	84
68	A new c-Jun N-terminal kinase (JNK)-interacting protein, Sab (SH3BP5), associates with mitochondria. <i>Biochemical Journal</i> , 2002 , 367, 577-85	3.8	80
67	High levels of phosphorylated c-Jun, Fra-1, Fra-2 and ATF-2 proteins correlate with malignant phenotypes in the multistage mouse skin carcinogenesis model. <i>Oncogene</i> , 2000 , 19, 4011-21	9.2	80
66	Chk1-dependent S-M checkpoint delay in vertebrate cells is linked to maintenance of viable replication structures. <i>Molecular and Cellular Biology</i> , 2005 , 25, 563-74	4.8	78
65	Phosphorylation at serine 331 is required for Aurora B activation. <i>Journal of Cell Biology</i> , 2011 , 195, 449-66	6.6	66

64	Chk1 C-terminal regulatory phosphorylation mediates checkpoint activation by de-repression of Chk1 catalytic activity. <i>Oncogene</i> , 2009 , 28, 2314-23	9.2	61
63	Akt/PKB suppresses DNA damage processing and checkpoint activation in late G2. <i>Journal of Cell Biology</i> , 2010 , 190, 297-305	7.3	59
62	DNA damage control: regulation and functions of checkpoint kinase 1. <i>FEBS Journal</i> , 2015 , 282, 3681-92	5.7	58
61	Microarray analysis identifies Autotaxin, a tumour cell motility and angiogenic factor with lysophospholipase D activity, as a specific target of cell transformation by v-Jun. <i>Oncogene</i> , 2004 , 23, 2357-66	9.2	54
60	c-Jun-deficient cells undergo premature senescence as a result of spontaneous DNA damage accumulation. <i>Molecular and Cellular Biology</i> , 2004 , 24, 9006-18	4.8	53
59	Chk1-dependent slowing of S-phase progression protects DT40 B-lymphoma cells against killing by the nucleoside analogue 5-fluorouracil. <i>Oncogene</i> , 2006 , 25, 5359-69	9.2	40
58	Fascin 1 is transiently expressed in mouse melanoblasts during development and promotes migration and proliferation. <i>Development (Cambridge)</i> , 2013 , 140, 2203-11	6.6	38
57	Claspin - checkpoint adaptor and DNA replication factor. <i>FEBS Journal</i> , 2019 , 286, 441-455	5.7	36
56	Chk2 is required for optimal mitotic delay in response to irradiation-induced DNA damage incurred in G2 phase. <i>Oncogene</i> , 2008 , 27, 896-906	9.2	36
55	c-Jun supports ribosomal RNA processing and nucleolar localization of RNA helicase DDX21. <i>Journal of Biological Chemistry</i> , 2008 , 283, 7046-53	5.4	36
54	Insulin-stimulated expression of c-fos, fra1 and c-jun accompanies the activation of the activator protein-1 (AP-1) transcriptional complex. <i>Biochemical Journal</i> , 1998 , 335 (Pt 1), 19-26	3.8	36
53	Chk1 is essential for chemical carcinogen-induced mouse skin tumorigenesis. <i>Oncogene</i> , 2012 , 31, 1366-75	9.2	32
52	An oncogenic mutation uncouples the v-Jun oncoprotein from positive regulation by the SAPK/JNK pathway in vivo. <i>Current Biology</i> , 1998 , 8, 117-20	6.3	32
51	Interactions of the DNA mismatch repair proteins MLH1 and MSH2 with c-MYC and MAX. <i>Oncogene</i> , 2003 , 22, 819-25	9.2	31
50	Invasion of normal human fibroblasts induced by v-Fos is independent of proliferation, immortalization, and the tumor suppressors p16INK4a and p53. <i>Molecular and Cellular Biology</i> , 2004 , 24, 1540-59	4.8	30
49	Analysis of the interaction between c-Jun and c-Jun N-terminal kinase in vivo. <i>Journal of Biological Chemistry</i> , 1998 , 273, 33429-35	5.4	30
48	Sab (SH3BP5), a novel mitochondria-localized JNK-interacting protein. <i>Biochemical Society Transactions</i> , 2004 , 32, 1075-7	5.1	29
47	The changes in proviral chromatin that accompany morphological variation in avian sarcoma virus-infected rat cells. <i>Nucleic Acids Research</i> , 1982 , 10, 3967-80	20.1	29

46	PERK inhibits DNA replication during the Unfolded Protein Response via Claspin and Chk1. <i>Oncogene</i> , 2017 , 36, 678-686	9.2	28
45	Cdk-mediated phosphorylation of Chk1 is required for efficient activation and full checkpoint proficiency in response to DNA damage. <i>Oncogene</i> , 2012 , 31, 1086-94	9.2	28
44	Analysis of the variations in proviral cytosine methylation that accompany transformation and morphological reversion in a line of Rous sarcoma virus-infected Rat-1 cells. <i>Nucleic Acids Research</i> , 1984 , 12, 5193-210	20.1	27
43	Inhibition of the terminal stages of adipocyte differentiation by cMyc. <i>Experimental Cell Research</i> , 2000 , 254, 91-8	4.2	26
42	AKT overactivation can suppress DNA repair via p70S6 kinase-dependent downregulation of MRE11. <i>Oncogene</i> , 2018 , 37, 427-438	9.2	25
41	Chk1 is required for G2/M checkpoint response induced by the catalytic topoisomerase II inhibitor ICRF-193. <i>Cell Cycle</i> , 2007 , 6, 1265-7	4.7	25
40	Transient deactivation of ERK signalling is sufficient for stable entry into G0 in primary avian fibroblasts. <i>Current Biology</i> , 2000 , 10, 1119-22	6.3	25
39	v-Jun overrides the mitogen dependence of S-phase entry by deregulating retinoblastoma protein phosphorylation and E2F-pocket protein interactions as a consequence of enhanced cyclin E-cdk2 catalytic activity. <i>Molecular and Cellular Biology</i> , 2000 , 20, 2529-42	4.8	25
38	A conserved proliferating cell nuclear antigen-interacting protein sequence in Chk1 is required for checkpoint function. <i>Journal of Biological Chemistry</i> , 2008 , 283, 17250-9	5.4	24
37	Pruritus and cholestasis: therapeutic options. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1993 , 8, 168-73	4	24
36	Antibiotic prescribing and associated diarrhoea: a prospective cohort study of care home residents. <i>Age and Ageing</i> , 2015 , 44, 853-60	3	22
35	PARP inhibitor olaparib increases the oncolytic activity of dl922-947 in in vitro and in vivo model of anaplastic thyroid carcinoma. <i>Molecular Oncology</i> , 2015 , 9, 78-92	7.9	22
34	The Nucleocapsid protein triggers the main humoral immune response in COVID-19 patients. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 543, 45-49	3.4	22
33	Exercising restraints: role of Chk1 in regulating the onset and progression of unperturbed mitosis in vertebrate cells. <i>Cell Cycle</i> , 2007 , 6, 810-3	4.7	20
32	DNA mismatch repair and Chk1-dependent centrosome amplification in response to DNA alkylation damage. <i>Cell Cycle</i> , 2007 , 6, 982-92	4.7	19
31	Rearrangements of viral and cellular DNA are often associated with expression of Rous sarcoma virus in rat cells. <i>Cell</i> , 1985 , 41, 279-87	56.2	19
30	ATR-Chk1 signaling pathway and homologous recombinational repair protect cells from 5-fluorouracil cytotoxicity. <i>DNA Repair</i> , 2012 , 11, 247-58	4.3	17
29	Electronic monitoring of medication adherence in a 1-year clinical study of 2 dosing regimens of mesalazine for adults in remission with ulcerative colitis. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 82-91	4.5	16

28	Cell transformation by v-Jun deactivates ERK MAP kinase signalling. <i>Oncogene</i> , 2002 , 21, 6540-8	9.2	16
27	Ionizing radiation enhances dl922-947-mediated cell death of anaplastic thyroid carcinoma cells. <i>Endocrine-Related Cancer</i> , 2013 , 20, 633-47	5.7	14
26	The secret life of histones. <i>Cell</i> , 2003 , 114, 655-6	56.2	14
25	Delayed antibiotic prescribing for respiratory tract infections: individual patient data meta-analysis. <i>BMJ, The</i> , 2021 , 373, n808	5.9	14
24	Early impact of COVID-19 social distancing measures on reported sexual behaviour of HIV pre-exposure prophylaxis users in Wales. <i>Sexually Transmitted Infections</i> , 2021 , 97, 85-87	2.8	13
23	Autophagy is critically required for DNA repair by homologous recombination. <i>Molecular and Cellular Oncology</i> , 2016 , 3, e1030538	1.2	12
22	v-Jun stimulates both cdk2 kinase activity and G1/S progression via transcriptional repression of p21 CIP1. <i>Oncogene</i> , 2003 , 22, 2383-95	9.2	11
21	Cancer therapy. Targeting the poison within. <i>Cell Cycle</i> , 2014 , 13, 2330-3	4.7	10
20	KA1-targeted regulatory domain mutations activate Chk1 in the absence of DNA damage. <i>Scientific Reports</i> , 2015 , 5, 10856	4.9	9
19	Claspin is phosphorylated in the Chk1-binding domain by a kinase distinct from Chk1. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 973-6	3.4	9
18	Detection of a Myc-associated protein by chemical cross-linking. <i>Molecular and Cellular Biology</i> , 1989 , 9, 865-8	4.8	9
17	Chk1 is essential for the development of murine epidermal melanocytes. <i>Pigment Cell and Melanoma Research</i> , 2013 , 26, 580-5	4.5	8
16	Lethal errors in checkpoint control--life without Chk1. <i>Cell Cycle</i> , 2003 , 2, 14-6	4.7	8
15	v-Jun sensitizes cells to apoptosis by a mechanism involving mitochondrial cytochrome C release. <i>Oncogene</i> , 2000 , 19, 5906-18	9.2	8
14	Cdk phosphorylation of Chk1 regulates efficient Chk1 activation and multiple checkpoint proficiency. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 413, 465-70	3.4	6
13	Inhibition of adipocyte differentiation by cMyc is not accompanied by alterations in cell cycle control. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 269, 438-43	3.4	5
12	The BRCA2 transactivation domain does not interact with JNK. <i>Genes Chromosomes and Cancer</i> , 1999 , 25, 407-9	5	5
11	Estrogen receptor activation function 2 (AF-2) is essential for hormone-dependent transactivation and cell transformation induced by a v-Jun DNA binding domain-estrogen receptor chimera. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003 , 1628, 147-55		4

10	Microbubbles in replicating nuclear deoxyribonucleic acid from <i>Physarum polycephalum</i> . <i>Biochemical Journal</i> , 1979 , 183, 477-80	3.8	4
9	Chk1 KA1 domain auto-phosphorylation stimulates biological activity and is linked to rapid proteasomal degradation. <i>Scientific Reports</i> , 2018 , 8, 17536	4.9	4
8	Associations with antibiotic prescribing for acute exacerbation of COPD in primary care: secondary analysis of a randomised controlled trial. <i>British Journal of General Practice</i> , 2021 , 71, e266-e272	1.6	3
7	C-reactive protein-guided antibiotic prescribing for COPD exacerbations: a qualitative evaluation. <i>British Journal of General Practice</i> , 2020 , 70, e505-e513	1.6	2
6	Viral mutations enhance the Max binding properties of the vMyc b-HLH-LZ domain. <i>Nucleic Acids Research</i> , 2005 , 33, 5235-42	20.1	2
5	Therapietrouw bij antibioticagebruik voor hoestklachten in 13 Europese landen. <i>Huisarts En Wetenschap</i> , 2013 , 56, 384-387	0.1	
4	Properties of middle-repeat sequences in nuclear deoxyribonucleic acid from baby-hamster kidney cells (BHK-21/C13) [proceedings]. <i>Biochemical Society Transactions</i> , 1979 , 7, 663-5	5.1	
3	Fascin 1 is transiently expressed in mouse melanoblasts during development and promotes migration and proliferation. <i>Journal of Cell Science</i> , 2013 , 126, e1-e1	5.3	
2	Targeting CHK1 for Cancer Therapy: Rationale, Progress and Prospects. <i>Cancer Drug Discovery and Development</i> , 2018 , 209-240	0.3	
1	Changing sexual behaviours amongst MSM during the COVID-19 restrictions in Wales: a mixed methods study.. <i>BMC Public Health</i> , 2022 , 22, 396	4.1	