

# David Af Gillespie

## List of Publications by Year in descending order

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84  
papers

5,908  
citations

126907

33  
h-index

74163

75  
g-index

85  
all docs

85  
docs citations

85  
times ranked

9456  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The ATM/Chk2 and ATR/Chk1 Pathways in DNA Damage Signaling and Cancer. <i>Advances in Cancer Research</i> , 2010, 108, 73-112.   | 5.0  | 980       |
| 2  | Mutant p53 Drives Invasion by Promoting Integrin Recycling. <i>Cell</i> , 2009, 139, 1327-1341.  | 28.9 | 694       |
| 3  | Phosphorylation of HuR by Chk2 Regulates SIRT1 Expression. <i>Molecular Cell</i> , 2007, 25, 543-557.  | 9.7  | 491       |
| 4  | Chk1 regulates the density of active replication origins during the vertebrate S phase. <i>EMBO Journal</i> , 2007, 26, 2719-2731.   | 7.8  | 229       |
| 5  | Chk1 Is Required for Spindle Checkpoint Function. <i>Developmental Cell</i> , 2007, 12, 247-260.   | 7.0  | 227       |
| 6  | Akt: A Double-Edged Sword in Cell Proliferation and Genome Stability. <i>Journal of Oncology</i> , 2012, 2012, 1-15.   | 1.3  | 224       |
| 7  | Chk1-deficient tumour cells are viable but exhibit multiple checkpoint and survival defects. <i>EMBO Journal</i> , 2003, 22, 713-723.  | 7.8  | 213       |
| 8  | Molecular mechanism and biological functions of c-Jun N-terminal kinase signalling via the c-Jun transcription factor. <i>Cellular Signalling</i> , 2002, 14, 585-593.                             | 3.6  | 180       |
| 9  | Chk1 Requirement for High Global Rates of Replication Fork Progression during Normal Vertebrate S Phase. <i>Molecular and Cellular Biology</i> , 2006, 26, 3319-3326.                              | 2.3  | 166       |
| 10 | Cells Deficient in the FANC/BRCA Pathway Are Hypersensitive to Plasma Levels of Formaldehyde. <i>Cancer Research</i> , 2007, 67, 11117-11122.  | 0.9  | 154       |
| 11 | 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, 773-778.                 | 7.1  | 127       |
| 12 | DNA damage induces Chk1-dependent centrosome amplification. <i>EMBO Reports</i> , 2007, 8, 603-609.  | 4.5  | 108       |
| 13 | 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, 631-639.          | 5.2  | 99        |
| 14 | 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, 563-574.                      | 2.3  | 89        |
| 15 | A new c-Jun N-terminal kinase (JNK)-interacting protein, Sab (SH3BP5), associates with mitochondria. <i>Biochemical Journal</i> , 2002, 367, 577-585.  | 3.7  | 87        |
| 16 | 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, 4011-4021. | 5.9  | 86        |
| 17 | DNA damage control: regulation and functions of checkpoint kinase 1. <i>FEBS Journal</i> , 2015, 282, 3681-3692.   | 4.7  | 84        |
| 18 | Phosphorylation at serine 331 is required for Aurora B activation. <i>Journal of Cell Biology</i> , 2011, 195, 449-466.  | 5.2  | 75        |

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|----|--|------|-----------|
| 19 | Chk1 C-terminal regulatory phosphorylation mediates checkpoint activation by de-repression of Chk1 catalytic activity. <i>Oncogene</i> , 2009, 28, 2314-2323.  | 5.9  | 68        |
| 20 | The Nucleocapsid protein triggers the main humoral immune response in COVID-19 patients. <i>Biochemical and Biophysical Research Communications</i> , 2021, 543, 45-49.  | 2.1  | 68        |
| 21 | Akt/PKB suppresses DNA damage processing and checkpoint activation in late G2. <i>Journal of Cell Biology</i> , 2010, 190, 297-305.  | 5.2  | 66        |
| 22 | Claspin “ checkpoint adaptor and <sc>DNA</sc> replication factor. <i>FEBS Journal</i> , 2019, 286, 441-455.  | 4.7  | 65        |
| 23 | 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, 2357-2366. | 5.9  | 64        |
| 24 | c-Jun-Deficient Cells Undergo Premature Senescence as a Result of Spontaneous DNA Damage Accumulation. <i>Molecular and Cellular Biology</i> , 2004, 24, 9006-9018.  | 2.3  | 57        |
| 25 | 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.  | 5.9  | 49        |
| 26 | c-Jun Supports Ribosomal RNA Processing and Nucleolar Localization of RNA Helicase DDX21. <i>Journal of Biological Chemistry</i> , 2008, 283, 7046-7053.   | 3.4  | 46        |
| 27 | 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, 5359-5369.   | 5.9  | 45        |
| 28 | Fascin 1 is transiently expressed in mouse melanoblasts during development and promotes migration and proliferation. <i>Development (Cambridge)</i> , 2013, 140, 2203-2211.  | 2.5  | 45        |
| 29 | Delayed antibiotic prescribing for respiratory tract infections: individual patient data meta-analysis. <i>BMJ, The</i> , 2021, 373, n808.   | 6.0  | 42        |
| 30 | 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, 19-26.                            | 3.7  | 41        |
| 31 | PERK inhibits DNA replication during the Unfolded Protein Response via Claspin and Chk1. <i>Oncogene</i> , 2017, 36, 678-686.  | 5.9  | 40        |
| 32 | Chk1 is essential for chemical carcinogen-induced mouse skin tumorigenesis. <i>Oncogene</i> , 2012, 31, 1366-1375.   | 5.9  | 39        |
| 33 | Analysis of the Interaction between c-Jun and c-Jun N-terminal Kinase in Vivo. <i>Journal of Biological Chemistry</i> , 1998, 273, 33429-33435.  | 3.4  | 36        |
| 34 | The changes in proviral chromatin that accompany morphological variation in avian sarcoma virus-infected rat cells. <i>Nucleic Acids Research</i> , 1982, 10, 3967-3980.   | 14.5 | 35        |
| 35 | AKT overactivation can suppress DNA repair via p70S6 kinase-dependent downregulation of MRE11. <i>Oncogene</i> , 2018, 37, 427-438.  | 5.9  | 34        |
| 36 | Invasion of Normal Human Fibroblasts Induced by v-FosIs Independent of Proliferation, Immortalization, and the Tumor Suppressors p16 INK4a and p53. <i>Molecular and Cellular Biology</i> , 2004, 24, 1540-1559.       | 2.3  | 33        |

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|----|--|------|-----------|
| 37 | An oncogenic mutation uncouples the v-Jun oncoprotein from positive regulation by the SAPK/JNK pathway in vivo. <i>Current Biology</i> , 1998, 8, 117-120.   | 3.9  | 32        |
| 38 | Sab (SH3BP5), a novel mitochondria-localized JNK-interacting protein. <i>Biochemical Society Transactions</i> , 2004, 32, 1075-1077.   | 3.4  | 32        |
| 39 | Antibiotic prescribing and associated diarrhoea: a prospective cohort study of care home residents. <i>Age and Ageing</i> , 2015, 44, 853-860.   | 1.6  | 32        |
| 40 | PARP inhibitor olaparib increases the oncolytic activity of dl922â€”947 in in vitro and in vivo model of anaplastic thyroid carcinoma. <i>Molecular Oncology</i> , 2015, 9, 78-92.   | 4.6  | 32        |
| 41 | Interactions of the DNA mismatch repair proteins MLH1 and MSH2 with c-MYC and MAX. <i>Oncogene</i> , 2003, 22, 819-825.  | 5.9  | 31        |
| 42 | Chk1 is required for G2/M Checkpoint Response Induced by the Catalytic Topoisomerase II Inhibitor ICRF-193. <i>Cell Cycle</i> , 2007, 6, 1265-1267.  | 2.6  | 30        |
| 43 | Cdk-mediated phosphorylation of Chk1 is required for efficient activation and full checkpoint proficiency in response to DNA damage. <i>Oncogene</i> , 2012, 31, 1086-1094.  | 5.9  | 30        |
| 44 | Pruritus and cholestasis: Therapeutic options. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1993, 8, 168-173.   | 2.8  | 28        |
| 45 | 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, 5193-5210.   | 14.5 | 27        |
| 46 | Inhibition of the Terminal Stages of Adipocyte Differentiation by cMyc. <i>Experimental Cell Research</i> , 2000, 254, 91-98.  | 2.6  | 27        |
| 47 | A Conserved Proliferating Cell Nuclear Antigen-interacting Protein Sequence in Chk1 Is Required for Checkpoint Function. <i>Journal of Biological Chemistry</i> , 2008, 283, 17250-17259.  | 3.4  | 27        |
| 48 | 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, 2529-2542. | 2.3  | 26        |
| 49 | Rearrangements of viral and cellular DNA are often associated with expression of Rous sarcoma virus in rat cells. <i>Cell</i> , 1985, 41, 279-287.   | 28.9 | 25        |
| 50 | Transient deactivation of ERK signalling is sufficient for stable entry into G0 in primary avian fibroblasts. <i>Current Biology</i> , 2000, 10, 1119-1122.  | 3.9  | 25        |
| 51 | Exercising Restraints: Role of Chk1 in Regulating the Onset and Progression of Unperturbed Mitosis in Vertebrate Cells. <i>Cell Cycle</i> , 2007, 6, 810-813.  | 2.6  | 24        |
| 52 | 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.   | 1.9  | 23        |
| 53 | DNA Mismatch Repair and Chk1-Dependent Centrosome Amplification in Response to DNA Alkylation Damage. <i>Cell Cycle</i> , 2007, 6, 982-992.  | 2.6  | 21        |
| 54 | ATRâ€”Chk1 signaling pathway and homologous recombinational repair protect cells from 5-fluorouracil cytotoxicity. <i>DNA Repair</i> , 2012, 11, 247-258.  | 2.8  | 21        |

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|----|--|------|-----------|
| 55 | Ionizing radiation enhances dl922â€™947-mediated cell death of anaplastic thyroid carcinoma cells. <i>Endocrine-Related Cancer</i> , 2013, 20, 633-647.  | 3.1  | 20        |
| 56 | 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. | 1.9  | 18        |
| 57 | Cell transformation by v-Jun deactivates ERK MAP kinase signalling. <i>Oncogene</i> , 2002, 21, 6540-6548.   | 5.9  | 16        |
| 58 | Cancer therapy. <i>Cell Cycle</i> , 2014, 13, 2330-2333.   | 2.6  | 15        |
| 59 | The Secret Life of Histones. <i>Cell</i> , 2003, 114, 655-656.   | 28.9 | 14        |
| 60 | Autophagy is critically required for DNA repair by homologous recombination. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1030538.   | 0.7  | 14        |
| 61 | v-Jun stimulates both cdk2 kinase activity and G1/S progression via transcriptional repression of p21 CIP1. <i>Oncogene</i> , 2003, 22, 2383-2395.   | 5.9  | 11        |
| 62 | Claspin is phosphorylated in the Chk1-binding domain by a kinase distinct from Chk1. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 973-976.  | 2.1  | 11        |
| 63 | KA1-targeted regulatory domain mutations activate Chk1 in the absence of DNA damage. <i>Scientific Reports</i> , 2015, 5, 10856.   | 3.3  | 11        |
| 64 | Detection of a Myc-associated protein by chemical cross-linking.. <i>Molecular and Cellular Biology</i> , 1989, 9, 865-868.  | 2.3  | 9         |
| 65 | v-Jun sensitizes cells to apoptosis by a mechanism involving mitochondrial cytochrome C release. <i>Oncogene</i> , 2000, 19, 5906-5918.  | 5.9  | 8         |
| 66 | Lethal Errors in Checkpoint Control: Life without Chk1. <i>Cell Cycle</i> , 2003, 2, 14-16.  | 2.6  | 8         |
| 67 | Chk1 is essential for the development of murine epidermal melanocytes. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 580-585.  | 3.3  | 8         |
| 68 | Cdk phosphorylation of Chk1 regulates efficient Chk1 activation and multiple checkpoint proficiency. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 465-470.                              | 2.1  | 7         |
| 69 | The BRCA2 transactivation domain does not interact with JNK. , 1999, 25, 407-409.  |      | 6         |
| 70 | Inhibition of Adipocyte Differentiation by cMyc Is Not Accompanied by Alterations in Cell Cycle Control. <i>Biochemical and Biophysical Research Communications</i> , 2000, 269, 438-443.                          | 2.1  | 6         |
| 71 | Chk1 KA1 domain auto-phosphorylation stimulates biological activity and is linked to rapid proteasomal degradation. <i>Scientific Reports</i> , 2018, 8, 17536.  | 3.3  | 6         |
| 72 | 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.    | 1.4  | 6         |

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|----|---|------|-----------|
| 73 | DNA damage response proteins in canine cancer as potential research targets in comparative oncology. <i>Veterinary and Comparative Oncology</i> , 2021, , .   | 1.8  | 6         |
| 74 | Microbubbles in replicating nuclear deoxyribonucleic acid from <i>Physarum polycephalum</i> . <i>Biochemical Journal</i> , 1979, 183, 477-480.  | 3.7  | 5         |
| 75 | C-reactive protein-guided antibiotic prescribing for COPD exacerbations: a qualitative evaluation. <i>British Journal of General Practice</i> , 2020, 70, e505-e513.  | 1.4  | 5         |
| 76 | Changing sexual behaviours amongst MSM during the COVID-19 restrictions in Wales: a mixed methods study. <i>BMC Public Health</i> , 2022, 22, 396.  | 2.9  | 5         |
| 77 | Experiences of men who have sex with men when initiating, implementing and persisting with HIV pre-exposure prophylaxis. <i>Health Expectations</i> , 2022, 25, 1332-1341.  | 2.6  | 5         |
| 78 | 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, 147-155. | 2.4  | 4         |
| 79 | When more is less: heritable gain-of-function chk1 mutations impair human fertility. <i>FEBS Journal</i> , 2022, , .  | 4.7  | 3         |
| 80 | Viral mutations enhance the Max binding properties of the vMyc b-HLH-LZ domain. <i>Nucleic Acids Research</i> , 2005, 33, 5235-5242.  | 14.5 | 2         |
| 81 | Properties of Middle-Repeat Sequences in Nuclear Deoxyribonucleic Acid from Baby-Hamster Kidney Cells (BHK-21/C13). <i>Biochemical Society Transactions</i> , 1979, 7, 663-665.   | 3.4  | 0         |
| 82 | Short-circuiting the cell cycle for cancer therapy. <i>Cell Cycle</i> , 2012, 11, 2777-2777.  | 2.6  | 0         |
| 83 | Targeting CHK1 for Cancer Therapy: Rationale, Progress and Prospects. <i>Cancer Drug Discovery and Development</i> , 2018, , 209-240.   | 0.4  | 0         |
| 84 | 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.   | 2.0  | 0         |