# David G Campbell

List of Publications by Year
in descending order



| 110 | 12,671 | 18482 62 | 25787 108 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 112 | 112 | 112 | 16553 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | PINK1 is activated by mitochondrial membrane potential depolarization and stimulates Parkin E3 ligase activity by phosphorylating Serine 65. Open Biology, 2012, 2, 120080. | 3.6 | 725 |
| 2 | Parkin is activated by PINK1-dependent phosphorylation of ubiquitin at Ser65. Biochemical Journal, 2014, 460, 127-141. | 3.7 | 674 |
| 3 | Identification of MAPKAP kinase 2 as a major enzyme responsible for the phosphorylation of the small mammalian heat shock proteins. FEBS Letters, 1992, 313, 307-313. | 2.8 | 516 |
| 4 | LRRK2 phosphorylates moesin at threonine-558: characterization of how Parkinson's disease mutants affect kinase activity. Biochemical Journal, 2007, 405, 307-317. | 3.7 | 466 |
| 5 | Identification of pleckstrin-homology-domain-containing proteins with novel phosphoinositide-binding specificities. Biochemical Journal, 2000, 351, 19. | 3.7 | 452 |
| 6 | 14-3-3-affinity purification of over 200 human phosphoproteins reveals new links to regulation of cellular metabolism, proliferation and trafficking. Biochemical Journal, 2004, 379, 395-408. | 3.7 | 418 |
| 7 | 14-3-3 binding to LRRK2 is disrupted by multiple Parkinson's disease-associated mutations and regulates cytoplasmic localization. Biochemical Journal, 2010, 430, 393-404. | 3.7 | 355 |
| 8 | Activation of the thiazide-sensitive Na+-Clâ€“ cotransporter by the WNK-regulated kinases SPAK and OSR1. Journal of Cell Science, 2008, 121, 675-684. | 2.0 | 303 |
| 9 | Bioinformatic and experimental survey of 14-3-3-binding sites. Biochemical Journal, 2010, 427, 69-78. | 3.7 | 303 |
| 10 | Exploitation of KESTREL to identify NDRG family members as physiological substrates for SGK1 and GSK3. Biochemical Journal, 2004, 384, 477-488. | 3.7 | 299 |
| 11 | Feedback control of the protein kinase TAK1 by SAPK2a/p38Â. EMBO Journal, 2003, 22, 5793-5805. | 7.8 | 253 |
| 12 | Identification by amino acid sequencing of three major regulatory phosphorylation sites on rat acetyl-CoA carboxylase. FEBS Journal, 1988, 175, 331-338. | 0.2 | 249 |
| 13 | Phosphorylation of bovine hormone-sensitive lipase by the AMP-activated protein kinase. A possible antilipolytic mechanism. FEBS Journal, 1989, 179, 249-254. | 0.2 | 249 |
| 14 | Ulk1-mediated phosphorylation of AMPK constitutes a negative regulatory feedback loop. Autophagy, 2011, 7, 696-706. | 9.1 | 220 |
| 15 | p53 Is Phosphorylated in Vitro and in Vivo by an Ultraviolet Radiation-induced Protein Kinase Characteristic of the c-Jun Kinase, JNK1. Journal of Biological Chemistry, 1995, 270, 5511-5518. | 3.4 | 215 |
| 16 | Inhibition of SAPK2a/p38 prevents hnRNP A0 phosphorylation by MAPKAP-K2 and its interaction with cytokine mRNAs. EMBO Journal, 2002, 21, 6505-6514. | 7.8 | 191 |
| 17 | Complementary regulation of TBC1D1 and AS160 by growth factors, insulin and AMPK activators. Biochemical Journal, 2008, 409, 449-459. | 3.7 | 178 |
| 18 | Pim kinases phosphorylate multiple sites on Bad and promote 14-3-3 binding and dissociation from Bcl-XL. BMC Cell Biology, 2006, 7, 1. | 3.0 | 174 |

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|---|---|---|---|
| 19 | The WNK-regulated SPAK/OSR1 kinases directly phosphorylate and inhibit the K+â€“Clâ^' co-transporters. Biochemical Journal, 2014, 458, 559-573. | 3.7 | 174 |
| 20 | Regulation of activity and localization of the WNK1 protein kinase by hyperosmotic stress. Journal of Cell Biology, 2007, 176, 89-100. | 5.2 | 170 |
| 21 | The anti-inflammatory drug BAY 11-7082 suppresses the MyD88-dependent signalling network by targeting the ubiquitin system. Biochemical Journal, 2013, 451, 427-437. | 3.7 | 167 |
| 22 | Phosphorylation and activation of human tyrosine hydroxylase in vitro by mitogen-activated protein (MAP) kinase and MAP-kinase-activated kinases 1 and 2. FEBS Journal, 1993, 217, 715-722. | 0.2 | 164 |
| 23 | Phosphoproteomic screening identifies Rab <scp>GTP</scp>ases as novel downstream targets of <scp>PINK</scp>1. EMBO Journal, 2015, 34, 2840-2861. | 7.8 | 160 |
| 24 | New Roles for the LKB1-NUAK Pathway in Controlling Myosin Phosphatase Complexes and Cell Adhesion. Science Signaling, 2010, 3, ra25. | 3.6 | 155 |
| 25 | Regulation of the NKCC2 ion cotransporter by SPAK-OSR1-dependent and -independent pathways. Journal of Cell Science, 2011, 124, 789-800. | 2.0 | 150 |
| 26 | MSK1 activity is controlled by multiple phosphorylation sites. Biochemical Journal, 2005, 387, 507-517. | 3.7 | 148 |
| 27 | Identification of insulin-stimulated protein kinase-1 as the rabbit equivalent of rskmo-2. Identification of two threonines phosphorylated during activation by mitogen-activated protein kinase. FEBS Journal, 1993, 212, 581-588. | 0.2 | 141 |
| 28 | O-GlcNAcylation of TAB1 modulates TAK1-mediated cytokine release. EMBO Journal, 2012, 31, 1394-1404. | 7.8 | 138 |
| 29 | K29-Selective Ubiquitin Binding Domain Reveals Structural Basis of Specificity and Heterotypic Nature of K29 Polyubiquitin. Molecular Cell, 2015, 58, 83-94. | 9.7 | 136 |
| 30 | Isolation and sequence analysis of a cDNA clone encoding a type-1 protein phosphatase catalytic subunit: Homology with protein phosphatase 2A. FEBS Letters, 1987, 223, 340-346. | 2.8 | 132 |
| 31 | The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. Nature Communications, 2014, 5, 4535. | 12.8 | 131 |
| 32 | Structure and regulation of eukaryotic initiation factor eIF-2. Sequence of the site in the alpha subunit phosphorylated by the haem-controlled repressor and by the double-stranded RNA-activated inhibitor. FEBS Journal, 1987, 166, 357-363. | 0.2 | 127 |
| 33 | Evidence that phosphorylation of the microtubule-associated protein Tau by SAPK4/p38Î´ at Thr50 promotes microtubule assembly. Journal of Cell Science, 2005, 118, 397-408. | 2.0 | 120 |
| 34 | Molecular cloning of cDNA encoding the 110 kDa and 21 kDa regulatory subunits of smooth muscle protein phosphatase 1M. FEBS Letters, 1994, 356, 51-55. | 2.8 | 119 |
| 35 | Atg13 and FIP200 act independently of Ulk1 and Ulk2 in autophagy induction. Autophagy, 2011, 7, 1424-1433. | 9.1 | 117 |
| 36 | Phosphorylation of FOXO3a on Ser-7 by p38 Promotes Its Nuclear Localization in Response to Doxorubicin. Journal of Biological Chemistry, 2012, 287, 1545-1555. | 3.4 | 112 |

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|---|---|---|---|
| 37 | Identification of the 38-kDa subunit of rabbit skeletal muscle glycogen synthase as glycogenin. FEBS Journal, 1987, 169, 497-502. | 0.2 | 110 |
| 38 | Identification of the phosphorylation sites in elongation factor-2 from rabbit reticulocytes. FEBS Letters, 1991, 282, 253-258. | 2.8 | 109 |
| 39 | Phosphorylation of STIM1 at ERK1/2 target sites modulates store-operated calcium entry. Journal of Cell Science, 2010, 123, 3084-3093. | 2.0 | 108 |
| 40 | ERK/p90RSK/14-3-3 signalling has an impact on expression of PEA3 Ets transcription factors via the transcriptional repressor capicÃºa. Biochemical Journal, 2011, 433, 515-525. | 3.7 | 107 |
| 41 | Identification of protein phosphatase 2A as the major tyrosine hydroxylase phosphatase in adrenal medulla and corpus striatum: evidence from the effects of okadaic acid. FEBS Letters, 1989, 251, 36-42. | 2.8 | 102 |
| 42 | The protein phosphatases involved in cellular regulation. Primary structure of inhibitor-2 from rabbit skeletal muscle. FEBS Journal, 1986, 155, 173-182. | 0.2 | 101 |
| 43 | Phosphorylation and 14-3-3 binding of Arabidopsis 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. Plant Journal, 2004, 37, 654-667. | 5.7 | 97 |
| 44 | Primary structure of the site on bovine hormone-sensitive lipase phosphorylated by cyclic AMP-dependent protein kinase. FEBS Letters, 1988, 229, 68-72. | 2.8 | 94 |
| 45 | 14-3-3 cooperates with LKB1 to regulate the activity and localization of QSK and SIK. Journal of Cell Science, 2005, 118, 5661-5673. | 2.0 | 94 |
| 46 | Phosphorylation of Slx4 by Mec1 and Tel1 Regulates the Single-Strand Annealing Mode of DNA Repair in Budding Yeast. Molecular and Cellular Biology, 2007, 27, 6433-6445. | 2.3 | 89 |
| 47 | Isolation and sequence analysis of a cDNA clone encoding the entire catalytic subunit of a type-2A protein phosphatase. FEBS Letters, 1987, 221, 415-422. | 2.8 | 88 |
| 48 | Discovery of catalytically active orthologues of the Parkinson's disease kinase PINK1: analysis of substrate specificity and impact of mutations. Open Biology, 2011, 1, 110012. | 3.6 | 88 |
| 49 | The DUF1669 domain of FAM83 family proteins anchor casein kinase 1 isoforms. Science Signaling, 2018, 11, . | 3.6 | 88 |
| 50 | An analysis of the phosphorylation and activation of extracellular-signal-regulated protein kinase 5 (ERK5) by mitogen-activated protein kinase kinase 5 (MKK5) in vitro. Biochemical Journal, 2003, 372, 567-575. | 3.7 | 86 |
| 51 | Nur77 is phosphorylated in cells by RSK in response to mitogenic stimulation. Biochemical Journal, 2006, 393, 715-724. | 3.7 | 84 |
| 52 | The molecular mechanism by which adrenalin inhibits glycogen synthesis. FEBS Journal, 1991, 199, 713-722. | 0.2 | 79 |
| 53 | Structural similarities between Thy-1 antigen from rat brain and immunoglobulin. Nature, 1979, 282, 341-342. | 27.8 | 74 |
| 54 | MAP kinase kinase from rabbit skeletal muscle A novel dual specificity enzyme showing homology to yeast protein kinases involved in pheromone-dependent signal transduction. FEBS Letters, 1992, 308, 183-189. | 2.8 | 71 |

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|---|---|---|---|
| 55 | Salt-inducible kinase 2 regulates CRTCs, HDAC4 and glucose uptake in adipocytes. Journal of Cell Science, 2015, 128, 472-86. | 2.0 | 71 |
| 56 | Multisite phosphorylation of the glycogen-binding subunit of protein phosphatase-1G by cyclic AMP-dependent protein kinase and glycogen synthase kinase-3. FEBS Letters, 1989, 248, 67-72. | 2.8 | 70 |
| 57 | Molecular cloning and primary structure of a protein phosphatase 2C isoform. FEBS Letters, 1992, 297, 135-138. | 2.8 | 70 |
| 58 | Identification of the phosphorylation sites on the E3 ubiquitin ligase Pellino that are critical for activation by IRAK1 and IRAK4. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4584-4590. | 7.1 | 70 |
| 59 | Phosphorylation of Synaptic Vesicle Protein 2A at Thr84 by Casein Kinase 1 Family Kinases Controls the Specific Retrieval of Synaptotagmin-1. Journal of Neuroscience, 2015, 35, 2492-2507. | 3.6 | 70 |
| 60 | Assembly and structure of Lys33-linked polyubiquitin reveals distinct conformations. Biochemical Journal, 2015, 467, 345-352. | 3.7 | 67 |
| 61 | Displacement affinity chromatography of protein phosphatase one (PP1) complexes. BMC Biochemistry, 2008, 9, 28. | 4.4 | 65 |
| 62 | Analysis of sites phosphorylated on acetyl-CoA carboxylase in response to insulin in isolated adipocytes. Comparison with sites phosphorylated by casein kinase-2 and the calmodulin-dependent multiprotein kinase. FEBS Journal, 1988, 175, 347-354. | 0.2 | 64 |
| 63 | Mammalian protein serine/threonine phosphatase 2C: cDNA cloning and comparative analysis of amino acid sequences. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1130, 100-104. | 2.4 | 63 |
| 64 | The phosphorylation of stathmin by MAP kinase. Molecular and Cellular Biochemistry, 1993, 127-128, 151-156. | 3.1 | 63 |
| 65 | Visualization and Biochemical Analyses of the Emerging Mammalian 14-3-3-Phosphoproteome. Molecular and Cellular Proteomics, 2011, 10, M110.005751. | 3.8 | 63 |
| 66 | Identification of protein phosphorylation sites by a combination of mass spectrometry and solid phase Edman sequencing. Journal of Biomolecular Techniques, 2002, 13, 119-30. | 1.5 | 63 |
| 67 | Roles for TAB1 in regulating the IL-1-dependent phosphorylation of the TAB3 regulatory subunit and activity of the TAK1 complex. Biochemical Journal, 2008, 409, 711-722. | 3.7 | 59 |
| 68 | A myofibrillar protein phosphatase from rabbit skeletal muscle contains the beta isoform of protein phosphatase-1 complexed to a regulatory subunit which greatly enhances the dephosphorylation of myosin. FEBS Journal, 1992, 210, 1037-1044. | 0.2 | 56 |
| 69 | The amino acid sequence of rabbit skeletal muscle glycogenin. FEBS Journal, 1989, 185, 119-125. | 0.2 | 55 |
| 70 | Casein kinase 2 (CK2) phosphorylates the deubiquitylase OTUB1 at Ser <sup>16</sup> to trigger its nuclear localization. Science Signaling, 2015, 8, ra35. | 3.6 | 54 |
| 71 | Identification of novel phosphorylation sites in MSK1 by precursor ion scanning MS. Biochemical Journal, 2007, 402, 491-501. | 3.7 | 52 |
| 72 | Partial structure and hormonal regulation of rabbit liver inhibitor-1; distribution of inhibitor-1 and inhibitor-2 in rabbit and rat tissues. Biochimica Et Biophysica Acta - Molecular Cell Research, 1989, 1010, 218-226. | 4.1 | 51 |

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| 73 | A mutant O-GlcNAcase enriches Drosophila developmental regulators. Nature Chemical Biology, 2017, 13, 882-887. | 8.0 | 51 |
| 74 | Tandem overproduction and characterisation of the nuclease domain of colicin E9 and its cognate inhibitor protein Im9. FEBS Journal, 1994, 220, 447-454. | 0.2 | 49 |
| 75 | Identification of glycogen synthase as a new substrate for stress-activated protein kinase 2b/p38beta. Biochemical Journal, 2004, 379, 133-139. | 3.7 | 49 |
| 76 | Phosphodiesterase 3A binds to 14-3-3 proteins in response to PMA-induced phosphorylation of Ser428. Biochemical Journal, 2005, 392, 163-172. | 3.7 | 47 |
| 77 | Identification of three in vivo phosphorylation sites on the glycogen-binding subunit of protein phosphatase 1 from rabbit skeletal muscle, and their response to adrenaline. FEBS Letters, 1990, 259, 281-285. | 2.8 | 45 |
| 78 | Alternative ERK5 regulation by phosphorylation during the cell cycle. Cellular Signalling, 2010, 22, 1829-1837. | 3.6 | 43 |
| 79 | SPEG Controls Calcium Reuptake Into the Sarcoplasmic Reticulum Through Regulating SERCA2a by Its Second Kinase-Domain. Circulation Research, 2019, 124, 712-726. | 4.5 | 43 |
| 80 | Identification and characterization of AtI-2, anArabidopsishomologue of an ancient protein phosphatase 1 (PP1) regulatory subunit. Biochemical Journal, 2011, 435, 73-83. | 3.7 | 42 |
| 81 | Identification of filamin C as a new physiological substrate of PKBÎ± using KESTREL. Biochemical Journal, 2004, 384, 489-494. | 3.7 | 41 |
| 82 | Phosphorylation of the glycogen-binding subunit of protein phosphatase-1G in response to adrenalin. FEBS Letters, 1988, 234, 189-194. | 2.8 | 39 |
| 83 | A novel site of AKT-mediated phosphorylation in the human MDM2 onco-protein. FEBS Letters, 2004, 577, 270-276. | 2.8 | 39 |
| 84 | GARNL1, a major RalGAP Î± subunit in skeletal muscle, regulates insulin-stimulated RalA activation and GLUT4 trafficking via interaction with 14-3-3 proteins. Cellular Signalling, 2014, 26, 1636-1648. | 3.6 | 37 |
| 85 | The threonine residues in MAP kinase kinase 1 phosphorylated by MAP kinase in vitro are also phosphorylated in nerve growth factor-stimulated rat phaeochromocytoma (PC12) cells. FEBS Letters, 1994, 341, 119-124. | 2.8 | 36 |
| 86 | Protein associated with SMAD1 (PAWS1/FAM83G) is a substrate for type I bone morphogenetic protein receptors and modulates bone morphogenetic protein signalling. Open Biology, 2014, 4, 130210. | 3.6 | 35 |
| 87 | Identification of calcium-regulated heat-stable protein of 24ÂkDa (CRHSP24) as a physiological substrate for PKB and RSK using KESTREL. Biochemical Journal, 2005, 389, 775-783. | 3.7 | 31 |
| 88 | Nogo-B is a new physiological substrate for MAPKAP-K2. Biochemical Journal, 2005, 391, 433-440. | 3.7 | 31 |
| 89 | A PKB-SPEG signaling nexus links insulin resistance with diabetic cardiomyopathy by regulating calcium homeostasis. Nature Communications, 2020, 11, 2186. | 12.8 | 31 |
| 90 | Amino acid sequence at the site on protein phosphatase inhibitor-2, phosphorylated by glycogen synthase kinase-3. BBA - Proteins and Proteomics, 1984, 790, 288-291. | 2.1 | 29 |

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| 91 | <scp>FAM</scp> 83D directs protein kinase <scp>CK</scp> 1Î± to the mitotic spindle for proper spindle positioning. EMBO Reports, 2019, 20, e47495. | 4.5 | 28 |
| 92 | Phosphorylation of the ARE-binding protein DAZAP1 by ERK2 induces its dissociation from DAZ. Biochemical Journal, 2006, 399, 265-273. | 3.7 | 27 |
| 93 | ZNRF2 is released from membranes by growth factors and, together with ZNRF1, regulates the Na+/K+ATPase. Journal of Cell Science, 2012, 125, 4662-4675. | 2.0 | 27 |
| 94 | <scp>PAWS</scp> 1 controls Wnt signalling through association with casein kinase 1Î±. EMBO Reports, 2018, 19, . | 4.5 | 27 |
| 95 | FAM83G/PAWS1 controls cytoskeletal dynamics and cell migration through association with the SH3 adaptor CD2AP. Journal of Cell Science, 2018, 131, . | 2.0 | 26 |
| 96 | The 53kDa polypeptide component of the bovine fibre cell cytoskeleton is derived from the 115kDa beaded filament protein: evidence for a fibre cell specific intermediate filament protein. Current Eye Research, 1992, 11, 909-921. | 1.5 | 25 |
| 97 | Primary structure analysis proves that protein phosphatases 2C1 and 2C2 are isozymes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1987, 930, 279-282. | 4.1 | 24 |
| 98 | Cloning and Expression of Cytosolic Phospholipase A2 (cPLA2) and a Naturally Occurring Variant. Phosphorylation of Ser505 of Recombinant cPLA2 by p42 Mitogen-activated Protein Kinase Results in an Increase in Specific Activity. FEBS Journal, 1996, 238, 690-697. | 0.2 | 22 |
| 99 | The E3 ubiquitin ligase ZNRF2 is a substrate of mTORC1 and regulates its activation by amino acids. ELife, 2016, 5, . | 6.0 | 22 |
| 100 | p38Î³ regulates interaction of nuclear PSF and RNA with the tumour-suppressor hDlg in response to osmotic shock. Journal of Cell Science, 2010, 123, 2596-2604. | 2.0 | 21 |
| 101 | Protein phosphatase 4 is phosphorylated and inactivated by Cdk in response to spindle toxins and interacts with Î³-tubulin. Cell Cycle, 2013, 12, 2876-2887. | 2.6 | 20 |
| 102 | Interplay between Polo kinase, LKB1-activated NUAK1 kinase, PP1Î²MYPT1 phosphatase complex and the SCFÎ²TrCP E3 ubiquitin ligase. Biochemical Journal, 2014, 461, 233-245. | 3.7 | 20 |
| 103 | Dissection of the protein kinase cascades involved in insulin and nerve growth factor action. Biochemical Society Transactions, 1992, 20, 671-674. | 3.4 | 18 |
| 104 | ERK5 pathway regulates the phosphorylation of tumour suppressor hDlg during mitosis. Biochemical and Biophysical Research Communications, 2010, 399, 84-90. | 2.1 | 15 |
| 105 | Identification of the Amino Acids 300â€“600 of IRS-2 as 14-3-3 Binding Region with the Importance of IGF-1/Insulin-Regulated Phosphorylation of Ser-573. PLoS ONE, 2012, 7, e43296. | 2.5 | 12 |
| 106 | Fasting and Systemic Insulin Signaling Regulate Phosphorylation of Brain Proteins That Modulate Cell Morphology and Link to Neurological Disorders. Journal of Biological Chemistry, 2015, 290, 30030-30041. | 3.4 | 9 |
| 107 | The activity of protein kinases from hamster fibroblasts towards a synthetic peptide based on a carboxy-terminal portion of ribosomal protein S6. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1054, 225-230. | 4.1 | 6 |
| 108 | Homology between the Catalytic Subunits of Protein Phosphatases 1 and 2A Deduced from the cDNA. , 1988, 231, 549-557. | | 2 |

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| 109 | Isolation of a phosphopeptide from bovine hormone-sensitive lipase. Biochemical Society Transactions, 1987, 15, 491-492. | 3.4 | 1 |
| 110 | The phosphorylation of stathmin by MAP kinase. , 1993, , 151-156. | | 0 |