

# David G Campbell

## List of Publications by Year in descending order

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110  
papers

12,671  
citations

18482

62  
h-index

25787

108  
g-index

112  
all docs

112  
docs citations

112  
times ranked

16553  
citing authors

#	ARTICLE	IF	CITATIONS
1	A PKB-SPEG signaling nexus links insulin resistance with diabetic cardiomyopathy by regulating calcium homeostasis. <i>Nature Communications</i> , 2020, 11, 2186.	12.8	31
2	<scp>FAM</scp> 83D directs protein kinase <scp>CK</scp> 1± to the mitotic spindle for proper spindle positioning. <i>EMBO Reports</i> , 2019, 20, e47495.	4.5	28
3	SPEG Controls Calcium Reuptake Into the Sarcoplasmic Reticulum Through Regulating SERCA2a by Its Second Kinase-Domain. <i>Circulation Research</i> , 2019, 124, 712-726.	4.5	43
4	FAM83G/PAWS1 controls cytoskeletal dynamics and cell migration through association with the SH3 adaptor CD2AP. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	26
5	<scp>PAWS</scp> 1 controls Wnt signalling through association with casein kinase 1±. <i>EMBO Reports</i> , 2018, 19, .	4.5	27
6	The DUF1669 domain of FAM83 family proteins anchor casein kinase 1 isoforms. <i>Science Signaling</i> , 2018, 11, .	3.6	88
7	A mutant O-GlcNAcase enriches <i>Drosophila</i> developmental regulators. <i>Nature Chemical Biology</i> , 2017, 13, 882-887.	8.0	51
8	The E3 ubiquitin ligase ZNRF2 is a substrate of mTORC1 and regulates its activation by amino acids. <i>ELife</i> , 2016, 5, .	6.0	22
9	Salt-inducible kinase 2 regulates CRTCs, HDAC4 and glucose uptake in adipocytes. <i>Journal of Cell Science</i> , 2015, 128, 472-86.	2.0	71
10	Phosphoproteomic screening identifies Rab <scp>GTP</scp>ases as novel downstream targets of <scp>PINK</scp>1. <i>EMBO Journal</i> , 2015, 34, 2840-2861.	7.8	160
11	Phosphorylation of Synaptic Vesicle Protein 2A at Thr84 by Casein Kinase 1 Family Kinases Controls the Specific Retrieval of Synaptotagmin-1. <i>Journal of Neuroscience</i> , 2015, 35, 2492-2507.	3.6	70
12	K29-Selective Ubiquitin Binding Domain Reveals Structural Basis of Specificity and Heterotypic Nature of K29 Polyubiquitin. <i>Molecular Cell</i> , 2015, 58, 83-94.	9.7	136
13	Casein kinase 2 (CK2) phosphorylates the deubiquitylase OTUB1 at Ser <sup>16</sup> to trigger its nuclear localization. <i>Science Signaling</i> , 2015, 8, ra35.	3.6	54
14	Assembly and structure of Lys33-linked polyubiquitin reveals distinct conformations. <i>Biochemical Journal</i> , 2015, 467, 345-352.	3.7	67
15	Fasting and Systemic Insulin Signaling Regulate Phosphorylation of Brain Proteins That Modulate Cell Morphology and Link to Neurological Disorders. <i>Journal of Biological Chemistry</i> , 2015, 290, 30030-30041.	3.4	9
16	Parkin is activated by PINK1-dependent phosphorylation of ubiquitin at Ser65. <i>Biochemical Journal</i> , 2014, 460, 127-141.	3.7	674
17	The WNK-regulated SPAK/OSR1 kinases directly phosphorylate and inhibit the K+â€“Clâ€“ co-transporters. <i>Biochemical Journal</i> , 2014, 458, 559-573.	3.7	174
18	The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. <i>Nature Communications</i> , 2014, 5, 4535.	12.8	131

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19	Protein associated with SMAD1 (PAWS1/FAM83G) is a substrate for type I bone morphogenetic protein receptors and modulates bone morphogenetic protein signalling. <i>Open Biology</i> , 2014, 4, 130210.	3.6	35
20	GARNL1, a major RalGAP $\beta$ subunit in skeletal muscle, regulates insulin-stimulated RalA activation and GLUT4 trafficking via interaction with 14-3-3 proteins. <i>Cellular Signalling</i> , 2014, 26, 1636-1648.	3.6	37
21	Interplay between Polo kinase, LKB1-activated NUAK1 kinase, PP1 $\beta$ MYPT1 phosphatase complex and the SCF $\beta$ TrCP E3 ubiquitin ligase. <i>Biochemical Journal</i> , 2014, 461, 233-245.	3.7	20
22	The anti-inflammatory drug BAY 11-7082 suppresses the MyD88-dependent signalling network by targeting the ubiquitin system. <i>Biochemical Journal</i> , 2013, 451, 427-437.	3.7	167
23	Protein phosphatase 4 is phosphorylated and inactivated by Cdk in response to spindle toxins and interacts with $\beta$ -tubulin. <i>Cell Cycle</i> , 2013, 12, 2876-2887.	2.6	20
24	Phosphorylation of FOXO3a on Ser-7 by p38 Promotes Its Nuclear Localization in Response to Doxorubicin. <i>Journal of Biological Chemistry</i> , 2012, 287, 1545-1555.	3.4	112
25	PINK1 is activated by mitochondrial membrane potential depolarization and stimulates Parkin E3 ligase activity by phosphorylating Serine 65. <i>Open Biology</i> , 2012, 2, 120080.	3.6	725
26	<i>in vivo</i> -GlcNAcylation of TAB1 modulates TAK1-mediated cytokine release. <i>EMBO Journal</i> , 2012, 31, 1394-1404.	7.8	138
27	Identification of the Amino Acids 300-600 of IRS-2 as 14-3-3 Binding Region with the Importance of IGF-1/Insulin-Regulated Phosphorylation of Ser-573. <i>PLoS ONE</i> , 2012, 7, e43296.	2.5	12
28	ZNRF2 is released from membranes by growth factors and, together with ZNRF1, regulates the Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>Journal of Cell Science</i> , 2012, 125, 4662-4675.	2.0	27
29	Ulk1-mediated phosphorylation of AMPK constitutes a negative regulatory feedback loop. <i>Autophagy</i> , 2011, 7, 696-706.	9.1	220
30	Discovery of catalytically active orthologues of the Parkinson's disease kinase PINK1: analysis of substrate specificity and impact of mutations. <i>Open Biology</i> , 2011, 1, 110012.	3.6	88
31	Identification and characterization of AtI-2, an <i>Arabidopsis</i> homologue of an ancient protein phosphatase 1 (PP1) regulatory subunit. <i>Biochemical Journal</i> , 2011, 435, 73-83.	3.7	42
32	Atg13 and FIP200 act independently of Ulk1 and Ulk2 in autophagy induction. <i>Autophagy</i> , 2011, 7, 1424-1433.	9.1	117
33	Regulation of the NKCC2 ion cotransporter by SPAK-OSR1-dependent and -independent pathways. <i>Journal of Cell Science</i> , 2011, 124, 789-800.	2.0	150
34	ERK/p90RSK/14-3-3 signalling has an impact on expression of PEA3 Ets transcription factors via the transcriptional repressor capicA. <i>Biochemical Journal</i> , 2011, 433, 515-525.	3.7	107
35	Visualization and Biochemical Analyses of the Emerging Mammalian 14-3-3-Phosphoproteome. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.005751.	3.8	63
36	14-3-3 binding to LRRK2 is disrupted by multiple Parkinson's disease-associated mutations and regulates cytoplasmic localization. <i>Biochemical Journal</i> , 2010, 430, 393-404.	3.7	355

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37	Alternative ERK5 regulation by phosphorylation during the cell cycle. <i>Cellular Signalling</i> , 2010, 22, 1829-1837.	3.6	43
38	Phosphorylation of STIM1 at ERK1/2 target sites modulates store-operated calcium entry. <i>Journal of Cell Science</i> , 2010, 123, 3084-3093.	2.0	108
39	p38 <sup>β</sup> regulates interaction of nuclear PSF and RNA with the tumour-suppressor hDlg in response to osmotic shock. <i>Journal of Cell Science</i> , 2010, 123, 2596-2604.	2.0	21
40	Bioinformatic and experimental survey of 14-3-3-binding sites. <i>Biochemical Journal</i> , 2010, 427, 69-78.	3.7	303
41	New Roles for the LKB1-NUAK Pathway in Controlling Myosin Phosphatase Complexes and Cell Adhesion. <i>Science Signaling</i> , 2010, 3, ra25.	3.6	155
42	ERK5 pathway regulates the phosphorylation of tumour suppressor hDlg during mitosis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 84-90.	2.1	15
43	Identification of the phosphorylation sites on the E3 ubiquitin ligase Pellino that are critical for activation by IRAK1 and IRAK4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4584-4590.	7.1	70
44	Displacement affinity chromatography of protein phosphatase one (PP1) complexes. <i>BMC Biochemistry</i> , 2008, 9, 28.	4.4	65
45	Roles for TAB1 in regulating the IL-1-dependent phosphorylation of the TAB3 regulatory subunit and activity of the TAK1 complex. <i>Biochemical Journal</i> , 2008, 409, 711-722.	3.7	59
46	Activation of the thiazide-sensitive Na <sup>+</sup> -Cl <sup>-</sup> cotransporter by the WNK-regulated kinases SPAK and OSR1. <i>Journal of Cell Science</i> , 2008, 121, 675-684.	2.0	303
47	Complementary regulation of TBC1D1 and AS160 by growth factors, insulin and AMPK activators. <i>Biochemical Journal</i> , 2008, 409, 449-459.	3.7	178
48	Regulation of activity and localization of the WNK1 protein kinase by hyperosmotic stress. <i>Journal of Cell Biology</i> , 2007, 176, 89-100.	5.2	170
49	Phosphorylation of Slx4 by Mec1 and Tel1 Regulates the Single-Strand Annealing Mode of DNA Repair in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2007, 27, 6433-6445.	2.3	89
50	Identification of novel phosphorylation sites in MSK1 by precursor ion scanning MS. <i>Biochemical Journal</i> , 2007, 402, 491-501.	3.7	52
51	LRRK2 phosphorylates moesin at threonine-558: characterization of how Parkinson's disease mutants affect kinase activity. <i>Biochemical Journal</i> , 2007, 405, 307-317.	3.7	466
52	Nur77 is phosphorylated in cells by RSK in response to mitogenic stimulation. <i>Biochemical Journal</i> , 2006, 393, 715-724.	3.7	84
53	Phosphorylation of the ARE-binding protein DAZAP1 by ERK2 induces its dissociation from DAZ. <i>Biochemical Journal</i> , 2006, 399, 265-273.	3.7	27
54	Pim kinases phosphorylate multiple sites on Bad and promote 14-3-3 binding and dissociation from Bcl-XL. <i>BMC Cell Biology</i> , 2006, 7, 1.	3.0	174

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55	MSK1 activity is controlled by multiple phosphorylation sites. <i>Biochemical Journal</i> , 2005, 387, 507-517.	3.7	148
56	Identification of calcium-regulated heat-stable protein of 24 kDa (CRHSP24) as a physiological substrate for PKB and RSK using KESTREL. <i>Biochemical Journal</i> , 2005, 389, 775-783.	3.7	31
57	Nogo-B is a new physiological substrate for MAPKAP-K2. <i>Biochemical Journal</i> , 2005, 391, 433-440.	3.7	31
58	Phosphodiesterase 3A binds to 14-3-3 proteins in response to PMA-induced phosphorylation of Ser428. <i>Biochemical Journal</i> , 2005, 392, 163-172.	3.7	47
59	Evidence that phosphorylation of the microtubule-associated protein Tau by SAPK4/p38 $\beta$ at Thr50 promotes microtubule assembly. <i>Journal of Cell Science</i> , 2005, 118, 397-408.	2.0	120
60	14-3-3 cooperates with LKB1 to regulate the activity and localization of QSK and SIK. <i>Journal of Cell Science</i> , 2005, 118, 5661-5673.	2.0	94
61	14-3-3-affinity purification of over 200 human phosphoproteins reveals new links to regulation of cellular metabolism, proliferation and trafficking. <i>Biochemical Journal</i> , 2004, 379, 395-408.	3.7	418
62	Phosphorylation and 14-3-3 binding of Arabidopsis 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. <i>Plant Journal</i> , 2004, 37, 654-667.	5.7	97
63	A novel site of AKT-mediated phosphorylation in the human MDM2 onco-protein. <i>FEBS Letters</i> , 2004, 577, 270-276.	2.8	39
64	Exploitation of KESTREL to identify NDRG family members as physiological substrates for SGK1 and GSK3. <i>Biochemical Journal</i> , 2004, 384, 477-488.	3.7	299
65	Identification of glycogen synthase as a new substrate for stress-activated protein kinase 2b/p38 $\beta$ . <i>Biochemical Journal</i> , 2004, 379, 133-139.	3.7	49
66	Identification of filamin C as a new physiological substrate of PKB $\beta$ using KESTREL. <i>Biochemical Journal</i> , 2004, 384, 489-494.	3.7	41
67	Feedback control of the protein kinase TAK1 by SAPK2a/p38 $\beta$ . <i>EMBO Journal</i> , 2003, 22, 5793-5805.	7.8	253
68	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. <i>Biochemical Journal</i> , 2003, 372, 567-575.	3.7	86
69	Inhibition of SAPK2a/p38 prevents hnRNP A0 phosphorylation by MAPKAP-K2 and its interaction with cytokine mRNAs. <i>EMBO Journal</i> , 2002, 21, 6505-6514.	7.8	191
70	Identification of protein phosphorylation sites by a combination of mass spectrometry and solid phase Edman sequencing. <i>Journal of Biomolecular Techniques</i> , 2002, 13, 119-30.	1.5	63
71	Identification of pleckstrin-homology-domain-containing proteins with novel phosphoinositide-binding specificities. <i>Biochemical Journal</i> , 2000, 351, 19.	3.7	452
72	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. <i>FEBS Journal</i> , 1996, 238, 690-697.	0.2	22

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73	p53 Is Phosphorylated in Vitro and in Vivo by an Ultraviolet Radiation-induced Protein Kinase Characteristic of the c-Jun Kinase, JNK1. <i>Journal of Biological Chemistry</i> , 1995, 270, 5511-5518.	3.4	215
74	Tandem overproduction and characterisation of the nuclease domain of colicin E9 and its cognate inhibitor protein Im9. <i>FEBS Journal</i> , 1994, 220, 447-454.	0.2	49
75	Molecular cloning of cDNA encoding the 110 kDa and 21 kDa regulatory subunits of smooth muscle protein phosphatase 1M. <i>FEBS Letters</i> , 1994, 356, 51-55.	2.8	119
76	The threonine residues in MAP kinase kinase 1 phosphorylated by MAP kinase in vitro are also phosphorylated in nerve growth factor-stimulated rat pheochromocytoma (PC12) cells. <i>FEBS Letters</i> , 1994, 341, 119-124.	2.8	36
77	The phosphorylation of stathmin by MAP kinase. <i>Molecular and Cellular Biochemistry</i> , 1993, 127-128, 151-156.	3.1	63
78	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. <i>FEBS Journal</i> , 1993, 212, 581-588.	0.2	141
79	Phosphorylation and activation of human tyrosine hydroxylase in vitro by mitogen-activated protein (MAP) kinase and MAP-kinase-activated kinases 1 and 2. <i>FEBS Journal</i> , 1993, 217, 715-722.	0.2	164
80	The phosphorylation of stathmin by MAP kinase. , 1993, , 151-156.		0
81	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. <i>Current Eye Research</i> , 1992, 11, 909-921.	1.5	25
82	Dissection of the protein kinase cascades involved in insulin and nerve growth factor action. <i>Biochemical Society Transactions</i> , 1992, 20, 671-674.	3.4	18
83	Molecular cloning and primary structure of a protein phosphatase 2C isoform. <i>FEBS Letters</i> , 1992, 297, 135-138.	2.8	70
84	Identification of MAPKAP kinase 2 as a major enzyme responsible for the phosphorylation of the small mammalian heat shock proteins. <i>FEBS Letters</i> , 1992, 313, 307-313.	2.8	516
85	MAP kinase kinase from rabbit skeletal muscle A novel dual specificity enzyme showing homology to yeast protein kinases involved in pheromone-dependent signal transduction. <i>FEBS Letters</i> , 1992, 308, 183-189.	2.8	71
86	Mammalian protein serine/threonine phosphatase 2C: cDNA cloning and comparative analysis of amino acid sequences. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1130, 100-104.	2.4	63
87	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. <i>FEBS Journal</i> , 1992, 210, 1037-1044.	0.2	56
88	Identification of the phosphorylation sites in elongation factor-2 from rabbit reticulocytes. <i>FEBS Letters</i> , 1991, 282, 253-258.	2.8	109
89	The molecular mechanism by which adrenalin inhibits glycogen synthesis. <i>FEBS Journal</i> , 1991, 199, 713-722.	0.2	79
90	The activity of protein kinases from hamster fibroblasts towards a synthetic peptide based on a carboxy-terminal portion of ribosomal protein S6. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990, 1054, 225-230.	4.1	6

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91	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
92	Phosphorylation of bovine hormone-sensitive lipase by the AMP-activated protein kinase. A possible antipolytic mechanism. FEBS Journal, 1989, 179, 249-254.	0.2	249
93	The amino acid sequence of rabbit skeletal muscle glycogenin. FEBS Journal, 1989, 185, 119-125.	0.2	55
94	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
95	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
96	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
97	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
98	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
99	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
100	Phosphorylation of the glycogen-binding subunit of protein phosphatase-1G in response to adrenalin. FEBS Letters, 1988, 234, 189-194.	2.8	39
101	Homology between the Catalytic Subunits of Protein Phosphatases 1 and 2A Deduced from the cDNA. , 1988, 231, 549-557.		2
102	Isolation of a phosphopeptide from bovine hormone-sensitive lipase. Biochemical Society Transactions, 1987, 15, 491-492.	3.4	1
103	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
104	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
105	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
106	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
107	Identification of the 38-kDa subunit of rabbit skeletal muscle glycogen synthase as glycogenin. FEBS Journal, 1987, 169, 497-502.	0.2	110
108	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

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109	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
110	Structural similarities between Thy-1 antigen from rat brain and immunoglobulin. Nature, 1979, 282, 341-342.	27.8	74