David G Campbell

List of Publications by Year
in descending order

110	12,671	18436 62	25716 108
papers	citations	h-index	g-index

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

#	Article	IF	Citations
1	A PKB-SPEG signaling nexus links insulin resistance with diabetic cardiomyopathy by regulating calcium homeostasis. Nature Communications, 2020, 11, 2186.	5.8	31
2	<scp>FAM</scp> 83D directs protein kinase <scp>CK</scp> 1Î± to the mitotic spindle for proper spindle positioning. EMBO Reports, 2019, 20, e47495.	2.0	28
3	SPEG Controls Calcium Reuptake Into the Sarcoplasmic Reticulum Through Regulating SERCA2a by Its Second Kinase-Domain. Circulation Research, 2019, 124, 712-726.	2.0	43
4	FAM83G/PAWS1 controls cytoskeletal dynamics and cell migration through association with the SH3 adaptor CD2AP. Journal of Cell Science, 2018, 131, .	1.2	26
5	<scp>PAWS</scp> 1 controls Wnt signalling through association with casein kinase 1Î±. EMBO Reports, 2018, 19, .	2.0	27
6	The DUF1669 domain of FAM83 family proteins anchor casein kinase 1 isoforms. Science Signaling, 2018, 11, .	1.6	88
7	A mutant O-GlcNAcase enriches Drosophila developmental regulators. Nature Chemical Biology, 2017, 13, 882-887.	3.9	51
8	The E3 ubiquitin ligase ZNRF2 is a substrate of mTORC1 and regulates its activation by amino acids. ELife, 2016, 5, .	2.8	22
9	Salt-inducible kinase 2 regulates CRTCs, HDAC4 and glucose uptake in adipocytes. Journal of Cell Science, 2015, 128, 472-86.	1.2	71
10	Phosphoproteomic screening identifies Rab <scp>GTP</scp>ases as novel downstream targets of <scp>PINK</scp>1. EMBO Journal, 2015, 34, 2840-2861.	3.5	160
11	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.	1.7	70
12	K29-Selective Ubiquitin Binding Domain Reveals Structural Basis of Specificity and Heterotypic Nature of K29 Polyubiquitin. Molecular Cell, 2015, 58, 83-94.	4.5	136
13	Casein kinase 2 (CK2) phosphorylates the deubiquitylase OTUB1 at Ser ¹⁶ to trigger its nuclear localization. Science Signaling, 2015, 8, ra35.	1.6	54
14	Assembly and structure of Lys33-linked polyubiquitin reveals distinct conformations. Biochemical Journal, 2015, 467, 345-352.	1.7	67
15	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.	1.6	9
16	Parkin is activated by PINK1-dependent phosphorylation of ubiquitin at Ser65. Biochemical Journal, 2014, 460, 127-141.	1.7	674
17	The WNK-regulated SPAK/OSR1 kinases directly phosphorylate and inhibit the K+â€“Clâ^' co-transporters. Biochemical Journal, 2014, 458, 559-573.	1.7	174
18	The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. Nature Communications, 2014, 5, 4535.	5.8	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. Open Biology, 2014, 4, 130210.	1.5	35
20	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.	1.7	37
21	Interplay between Polo kinase, LKB1-activated NUAK1 kinase, PP1Î²MYPT1 phosphatase complex and the SCFÎ²TrCP E3 ubiquitin ligase. Biochemical Journal, 2014, 461, 233-245.	1.7	20
22	The anti-inflammatory drug BAY 11-7082 suppresses the MyD88-dependent signalling network by targeting the ubiquitin system. Biochemical Journal, 2013, 451, 427-437.	1.7	167
23	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.	1.3	20
24	Phosphorylation of FOXO3a on Ser-7 by p38 Promotes Its Nuclear Localization in Response to Doxorubicin. Journal of Biological Chemistry, 2012, 287, 1545-1555.	1.6	112
25	PINK1 is activated by mitochondrial membrane potential depolarization and stimulates Parkin E3 ligase activity by phosphorylating Serine 65. Open Biology, 2012, 2, 120080.	1.5	725
26	O-GlcNAcylation of TAB1 modulates TAK1-mediated cytokine release. EMBO Journal, 2012, 31, 1394-1404.	3.5	138
27	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.	1.1	12
28	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.	1.2	27
29	Ulk1-mediated phosphorylation of AMPK constitutes a negative regulatory feedback loop. Autophagy, 2011, 7, 696-706.	4.3	220
30	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.	1.5	88
31	Identification and characterization of AtI-2, anArabidopsishomologue of an ancient protein phosphatase 1 (PP1) regulatory subunit. Biochemical Journal, 2011, 435, 73-83.	1.7	42
32	Atg13 and FIP200 act independently of Ulk1 and Ulk2 in autophagy induction. Autophagy, 2011, 7, 1424-1433.	4.3	117
33	Regulation of the NKCC2 ion cotransporter by SPAK-OSR1-dependent and -independent pathways. Journal of Cell Science, 2011, 124, 789-800.	1.2	150
34	ERK/p90RSK/14-3-3 signalling has an impact on expression of PEA3 Ets transcription factors via the transcriptional repressor capicÃªa. Biochemical Journal, 2011, 433, 515-525.	1.7	107
35	Visualization and Biochemical Analyses of the Emerging Mammalian 14-3-3-Phosphoproteome. Molecular and Cellular Proteomics, 2011, 10, M110.005751.	2.5	63
36	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.	1.7	355

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37	Alternative ERK5 regulation by phosphorylation during the cell cycle. Cellular Signalling, 2010, 22, 1829-1837.	1.7	43
38	Phosphorylation of STIM1 at ERK1/2 target sites modulates store-operated calcium entry. Journal of Cell Science, 2010, 123, 3084-3093.	1.2	108
39	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.	1.2	21
40	Bioinformatic and experimental survey of 14-3-3-binding sites. Biochemical Journal, 2010, 427, 69-78.	1.7	303
41	New Roles for the LKB1-NUAK Pathway in Controlling Myosin Phosphatase Complexes and Cell Adhesion. Science Signaling, 2010, 3, ra25.	1.6	155
42	ERK5 pathway regulates the phosphorylation of tumour suppressor hDlg during mitosis. Biochemical and Biophysical Research Communications, 2010, 399, 84-90.	1.0	15
43	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.	3.3	70
44	Displacement affinity chromatography of protein phosphatase one (PP1) complexes. BMC Biochemistry, 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. Biochemical Journal, 2008, 409, 711-722.	1.7	59
46	Activation of the thiazide-sensitive Na+-Clâ€“ cotransporter by the WNK-regulated kinases SPAK and OSR1. Journal of Cell Science, 2008, 121, 675-684.	1.2	303
47	Complementary regulation of TBC1D1 and AS160 by growth factors, insulin and AMPK activators. Biochemical Journal, 2008, 409, 449-459.	1.7	178
48	Regulation of activity and localization of the WNK1 protein kinase by hyperosmotic stress. Journal of Cell Biology, 2007, 176, 89-100.	2.3	170
49	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.	1.1	89
50	Identification of novel phosphorylation sites in MSK1 by precursor ion scanning MS. Biochemical Journal, 2007, 402, 491-501.	1.7	52
51	LRRK2 phosphorylates moesin at threonine-558: characterization of how Parkinson's disease mutants affect kinase activity. Biochemical Journal, 2007, 405, 307-317.	1.7	466
52	Nur77 is phosphorylated in cells by RSK in response to mitogenic stimulation. Biochemical Journal, 2006, 393, 715-724.	1.7	84
53	Phosphorylation of the ARE-binding protein DAZAP1 by ERK2 induces its dissociation from DAZ. Biochemical Journal, 2006, 399, 265-273.	1.7	27
54	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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55	MSK1 activity is controlled by multiple phosphorylation sites. Biochemical Journal, 2005, 387, 507-517.	1.7	148
56	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.	1.7	31
57	Nogo-B is a new physiological substrate for MAPKAP-K2. Biochemical Journal, 2005, 391, 433-440.	1.7	31
58	Phosphodiesterase 3A binds to 14-3-3 proteins in response to PMA-induced phosphorylation of Ser428. Biochemical Journal, 2005, 392, 163-172.	1.7	47
59	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.	1.2	120
60	14-3-3 cooperates with LKB1 to regulate the activity and localization of QSK and SIK. Journal of Cell Science, 2005, 118, 5661-5673.	1.2	94
61	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.	1.7	418
62	Phosphorylation and 14-3-3 binding of Arabidopsis 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. Plant Journal, 2004, 37, 654-667.	2.8	97
63	A novel site of AKT-mediated phosphorylation in the human MDM2 onco-protein. FEBS Letters, 2004, 577, 270-276.	1.3	39
64	Exploitation of KESTREL to identify NDRG family members as physiological substrates for SGK1 and GSK3. Biochemical Journal, 2004, 384, 477-488.	1.7	299
65	Identification of glycogen synthase as a new substrate for stress-activated protein kinase 2b/p38beta. Biochemical Journal, 2004, 379, 133-139.	1.7	49
66	Identification of filamin C as a new physiological substrate of PKBÎ± using KESTREL. Biochemical Journal, 2004, 384, 489-494.	1.7	41
67	Feedback control of the protein kinase TAK1 by SAPK2a/p38Â. EMBO Journal, 2003, 22, 5793-5805.	3.5	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. Biochemical Journal, 2003, 372, 567-575.	1.7	86
69	Inhibition of SAPK2a/p38 prevents hnRNP A0 phosphorylation by MAPKAP-K2 and its interaction with cytokine mRNAs. EMBO Journal, 2002, 21, 6505-6514.	3.5	191
70	Identification of protein phosphorylation sites by a combination of mass spectrometry and solid phase Edman sequencing. Journal of Biomolecular Techniques, 2002, 13, 119-30.	0.8	63
71	Identification of pleckstrin-homology-domain-containing proteins with novel phosphoinositide-binding specificities. Biochemical Journal, 2000, 351, 19.	1.7	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. FEBS Journal, 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. Journal of Biological Chemistry, 1995, 270, 5511-5518.	1.6	215
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	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.	1.3	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 phaeochromocytoma (PC12) cells. FEBS Letters, 1994, 341, 119-124.	1.3	36
77	The phosphorylation of stathmin by MAP kinase. Molecular and Cellular Biochemistry, 1993, 127-128, 151-156.	1.4	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. FEBS Journal, 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. FEBS Journal, 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. Current Eye Research, 1992, 11, 909-921.	0.7	25
82	Dissection of the protein kinase cascades involved in insulin and nerve growth factor action. Biochemical Society Transactions, 1992, 20, 671-674.	1.6	18
83	Molecular cloning and primary structure of a protein phosphatase 2C isoform. FEBS Letters, 1992, 297, 135-138.	1.3	70
84	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.	1.3	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. FEBS Letters, 1992, 308, 183-189.	1.3	71
86	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
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. FEBS Journal, 1992, 210, 1037-1044.	0.2	56
88	Identification of the phosphorylation sites in elongation factor-2 from rabbit reticulocytes. FEBS Letters, 1991, 282, 253-258.	1.3	109
89	The molecular mechanism by which adrenalin inhibits glycogen synthesis. FEBS Journal, 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. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1054, 225-230.	1.9	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.	1.3	45
92	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
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.	1.9	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.	1.3	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.	1.3	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.	1.3	94
100	Phosphorylation of the glycogen-binding subunit of protein phosphatase-1G in response to adrenalin. FEBS Letters, 1988, 234, 189-194.	1.3	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.	1.6	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.	1.9	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.	1.3	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.	1.3	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.	13.7	74