

James R Woodgett

List of Publications by Citations

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317 papers	47,557 citations	108 h-index	214 g-index
370 ext. papers	50,433 ext. citations	11.9 avg, IF	7.36 L-index

#	Paper	IF	Citations
317	The ground state of embryonic stem cell self-renewal. <i>Nature</i> , 2008 , 453, 519-23	50.4	2511
316	The stress-activated protein kinase subfamily of c-Jun kinases. <i>Nature</i> , 1994 , 369, 156-60	50.4	2497
315	GSK-3: tricks of the trade for a multi-tasking kinase. <i>Journal of Cell Science</i> , 2003 , 116, 1175-86	5.3	1675
314	Phosphorylation of c-jun mediated by MAP kinases. <i>Nature</i> , 1991 , 353, 670-4	50.4	1363
313	Requirement for glycogen synthase kinase-3beta in cell survival and NF-kappaB activation. <i>Nature</i> , 2000 , 406, 86-90	50.4	1210
312	Lithium inhibits glycogen synthase kinase-3 activity and mimics wingless signalling in intact cells. <i>Current Biology</i> , 1996 , 6, 1664-8	6.3	1150
311	Activation of protein kinase C decreases phosphorylation of c-Jun at sites that negatively regulate its DNA-binding activity. <i>Cell</i> , 1991 , 64, 573-84	56.2	1018
310	Role of SAPK/ERK kinase-1 in the stress-activated pathway regulating transcription factor c-Jun. <i>Nature</i> , 1994 , 372, 794-8	50.4	961
309	Molecular cloning and expression of glycogen synthase kinase-3/factor A.. <i>EMBO Journal</i> , 1990 , 9, 2431-2438	2438	957
308	Protein kinase B (c-Akt): a multifunctional mediator of phosphatidylinositol 3-kinase activation. <i>Biochemical Journal</i> , 1998 , 335 (Pt 1), 1-13	3.8	954
307	Phosphoinositide-3-OH kinase-dependent regulation of glycogen synthase kinase 3 and protein kinase B/AKT by the integrin-linked kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 11211-6	11.5	937
306	Activation of stress-activated protein kinase by MEKK1 phosphorylation of its activator SEK1. <i>Nature</i> , 1994 , 372, 798-800	50.4	696
305	Lithium antagonizes dopamine-dependent behaviors mediated by an AKT/glycogen synthase kinase 3 signaling cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 5099-104	11.5	668
304	A dual-kinase mechanism for Wnt co-receptor phosphorylation and activation. <i>Nature</i> , 2005 , 438, 873-7	50.4	630
303	Glycogen synthase kinase-3 induces Alzheimer's disease-like phosphorylation of tau: generation of paired helical filament epitopes and neuronal localisation of the kinase. <i>Neuroscience Letters</i> , 1992 , 147, 58-62	3.3	627
302	Phosphorylation and inactivation of glycogen synthase kinase 3 by protein kinase A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 11960-5	11.5	615
301	Systematic discovery of in vivo phosphorylation networks. <i>Cell</i> , 2007 , 129, 1415-26	56.2	611

- 300 The stress-activated protein kinase pathways. *Cellular and Molecular Life Sciences*, **1999**, 55, 1230-54 10.3 552
- 299 PKB/AKT: functional insights from genetic models. *Nature Reviews Molecular Cell Biology*, **2001**, 2, 760-848.7 516
- 298 Protein kinase B/Akt participates in GLUT4 translocation by insulin in L6 myoblasts. *Molecular and Cellular Biology*, **1999**, 19, 4008-18 4.8 508
- 297 Mitogen inactivation of glycogen synthase kinase-3 beta in intact cells via serine 9 phosphorylation. *Biochemical Journal*, **1994**, 303 (Pt 3), 701-4 3.8 491
- 296 Molecular cloning and expression of glycogen synthase kinase-3/factor A. *EMBO Journal*, **1990**, 9, 2431-813 444
- 295 Glycogen synthase kinase-3 and dorsoventral patterning in *Xenopus* embryos. *Nature*, **1995**, 374, 617-2250.4 442
- 294 Substrate specificity of protein kinase C. Use of synthetic peptides corresponding to physiological sites as probes for substrate recognition requirements. *FEBS Journal*, **1986**, 161, 177-84 426
- 293 Activation of SAPK/JNK by TNF receptor 1 through a noncytotoxic TRAF2-dependent pathway. *Science*, **1997**, 275, 200-3 33.3 421
- 292 Alzheimer's disease-like phosphorylation of the microtubule-associated protein tau by glycogen synthase kinase-3 in transfected mammalian cells. *Current Biology*, **1994**, 4, 1077-86 6.3 414
- 291 The stress-activated protein kinase pathway mediates cell death following injury induced by cis-platinum, UV irradiation or heat. *Current Biology*, **1996**, 6, 606-13 6.3 411
- 290 Proteomic, functional, and domain-based analysis of in vivo 14-3-3 binding proteins involved in cytoskeletal regulation and cellular organization. *Current Biology*, **2004**, 14, 1436-50 6.3 382
- 289 Glycogen synthase kinase-3beta haploinsufficiency mimics the behavioral and molecular effects of lithium. *Journal of Neuroscience*, **2004**, 24, 6791-8 6.6 379
- 288 Functional redundancy of GSK-3alpha and GSK-3beta in Wnt/beta-catenin signaling shown by using an allelic series of embryonic stem cell lines. *Developmental Cell*, **2007**, 12, 957-71 10.2 373
- 287 Initiation of Wnt signaling: control of Wnt coreceptor Lrp6 phosphorylation/activation via frizzled, dishevelled and axin functions. *Development (Cambridge)*, **2008**, 135, 367-75 6.6 336
- 286 Molecular cloning and characterisation of a novel putative protein-serine kinase related to the cAMP-dependent and protein kinase C families. *FEBS Journal*, **1991**, 201, 475-81 336
- 285 Glycogen synthase kinase-3beta is a negative regulator of cardiomyocyte hypertrophy. *Journal of Cell Biology*, **2000**, 151, 117-30 7.3 335
- 284 Glycogen synthase kinase-3: properties, functions, and regulation. *Chemical Reviews*, **2001**, 101, 2527-4068.1 323
- 283 Stress-signalling kinase Sek1 protects thymocytes from apoptosis mediated by CD95 and CD3. *Nature*, **1997**, 385, 350-3 50.4 319

282	IFN-gamma suppresses IL-10 production and synergizes with TLR2 by regulating GSK3 and CREB/AP-1 proteins. <i>Immunity</i> , 2006 , 24, 563-74	32.3	319
281	GSK-3: Functional Insights from Cell Biology and Animal Models. <i>Frontiers in Molecular Neuroscience</i> , 2011 , 4, 40	6.1	313
280	Unravelling the activation mechanisms of protein kinase B/Akt. <i>FEBS Letters</i> , 2003 , 546, 108-12	3.8	312
279	GSK-3 is a master regulator of neural progenitor homeostasis. <i>Nature Neuroscience</i> , 2009 , 12, 1390-7	25.5	309
278	Recent advances in the protein kinase B signaling pathway. <i>Current Opinion in Cell Biology</i> , 2005 , 17, 150-7	3.7	304
277	Wingless inactivates glycogen synthase kinase-3 via an intracellular signalling pathway which involves a protein kinase C.. <i>EMBO Journal</i> , 1996 , 15, 4526-4536	13	291
276	Protein kinase B regulates T lymphocyte survival, nuclear factor kappaB activation, and Bcl-X(L) levels in vivo. <i>Journal of Experimental Medicine</i> , 2000 , 191, 1721-34	16.6	286
275	Multiple phosphoinositide 3-kinase-dependent steps in activation of protein kinase B. <i>Molecular and Cellular Biology</i> , 2002 , 22, 6247-60	4.8	278
274	Differential regulation of glycogen synthase kinase-3 beta by protein kinase C isotypes. <i>Journal of Biological Chemistry</i> , 1992 , 267, 16878-82	5.4	278
273	Protein kinase C phosphorylates pp60src at a novel site. <i>Cell</i> , 1985 , 42, 849-57	56.2	253
272	MLK-3 activates the SAPK/JNK and p38/RK pathways via SEK1 and MKK3/6.. <i>EMBO Journal</i> , 1996 , 15, 7026-7035	13	250
271	Inhibition of GSK3-mediated BACE1 expression reduces Alzheimer-associated phenotypes. <i>Journal of Clinical Investigation</i> , 2013 , 123, 224-35	15.9	243
270	Activation of Akt (protein kinase B) in mammary epithelium provides a critical cell survival signal required for tumor progression. <i>Molecular and Cellular Biology</i> , 2001 , 21, 2203-12	4.8	242
269	DREAM is a critical transcriptional repressor for pain modulation. <i>Cell</i> , 2002 , 108, 31-43	56.2	234
268	Glycogen synthase kinase-3--an overview of an over-achieving protein kinase. <i>Current Drug Targets</i> , 2006 , 7, 1377-88	3	231
267	Glycogen synthase kinase 3alpha-specific regulation of murine hepatic glycogen metabolism. <i>Cell Metabolism</i> , 2007 , 6, 329-37	24.6	225
266	Activation of Akt-1 (PKB-alpha) can accelerate ErbB-2-mediated mammary tumorigenesis but suppresses tumor invasion. <i>Cancer Research</i> , 2004 , 64, 3171-8	10.1	214
265	Modulation of the glycogen synthase kinase-3 family by tyrosine phosphorylation. <i>EMBO Journal</i> , 1993 , 12, 803-8	13	213

264	Activation of the SAPK pathway by the human STE20 homologue germinal centre kinase. <i>Nature</i> , 1995 , 377, 750-4	50.4	212
263	Presenilin mutations associated with Alzheimer disease cause defective intracellular trafficking of beta-catenin, a component of the presenilin protein complex. <i>Nature Medicine</i> , 1999 , 5, 164-9	50.5	211
262	Assessment of social interaction behaviors. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	203
261	The stress-activated protein kinases are major c-Jun amino-terminal kinases activated by ischemia and reperfusion. <i>Journal of Biological Chemistry</i> , 1994 , 269, 26546-26551	5.4	199
260	Stabilization of beta-catenin by a Wnt-independent mechanism regulates cardiomyocyte growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4610-5	11.5	198
259	The protein-tyrosine kinase substrate p36 is also a substrate for protein kinase C in vitro and in vivo. <i>Molecular and Cellular Biology</i> , 1986 , 6, 2738-44	4.8	196
258	Essential roles for GSK-3s and GSK-3-primed substrates in neurotrophin-induced and hippocampal axon growth. <i>Neuron</i> , 2006 , 52, 981-96	13.9	195
257	Tissue-specific role of glycogen synthase kinase 3beta in glucose homeostasis and insulin action. <i>Molecular and Cellular Biology</i> , 2008 , 28, 6314-28	4.8	188
256	HPK1, a hematopoietic protein kinase activating the SAPK/JNK pathway.. <i>EMBO Journal</i> , 1996 , 15, 7013-7025	10.25	185
255	Substrate specificity of a multifunctional calmodulin-dependent protein kinase.. <i>Journal of Biological Chemistry</i> , 1985 , 260, 14471-14476	5.4	181
254	Transforming G protein-coupled receptors potently activate JNK (SAPK). Evidence for a divergence from the tyrosine kinase signaling pathway. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5620-4	5.4	179
253	The links between axin and carcinogenesis. <i>Journal of Clinical Pathology</i> , 2005 , 58, 225-36	3.9	177
252	The stress-activated protein kinases are major c-Jun amino-terminal kinases activated by ischemia and reperfusion. <i>Journal of Biological Chemistry</i> , 1994 , 269, 26546-51	5.4	177
251	Deletion of GSK-3beta in mice leads to hypertrophic cardiomyopathy secondary to cardiomyoblast hyperproliferation. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3609-18	15.9	177
250	Site-specific modulation of c-Myc cotransformation by residues phosphorylated in vivo. <i>Oncogene</i> , 1994 , 9, 59-70	9.2	174
249	Multisite phosphorylation of glycogen synthase. Molecular basis for the substrate specificity of glycogen synthase kinase-3 and casein kinase-II (glycogen synthase kinase-5). <i>BBA - Proteins and Proteomics</i> , 1984 , 788, 339-47		171
248	Judging a protein by more than its name: GSK-3. <i>Science Signaling</i> , 2001 , 2001, re12	8.8	169
247	Cloning and expression of two human p70 S6 kinase polypeptides differing only at their amino termini. <i>Molecular and Cellular Biology</i> , 1991 , 11, 5541-50	4.8	167

246	The conserved PI3K/AKT/PTEN/Akt signaling pathway regulates both cell size and survival in <i>Drosophila</i> . <i>Oncogene</i> , 2000 , 19, 3971-7	9.2	159
245	Creating a home page. <i>Trends in Biochemical Sciences</i> , 1997 , 22, 14	10.3	155
244	A molecular compendium of genes expressed in multiple myeloma. <i>Blood</i> , 2002 , 100, 2175-86	2.2	155
243	Glycogen synthase kinase 3 phosphorylates Jun family members in vitro and negatively regulates their transactivating potential in intact cells. <i>Oncogene</i> , 1993 , 8, 833-40	9.2	154
242	Multisite phosphorylation of glycogen synthase from rabbit skeletal muscle. Phosphorylation of site 5 by glycogen synthase kinase-5 (casein kinase-II) is a prerequisite for phosphorylation of sites 3 by glycogen synthase kinase-3. <i>FEBS Letters</i> , 1982 , 150, 191-6	3.8	151
241	Functional distinctions of protein kinase B/Akt isoforms defined by their influence on cell migration. <i>Trends in Cell Biology</i> , 2006 , 16, 461-6	18.3	149
240	The active form of glycogen synthase kinase-3 β is associated with granulovacuolar degeneration in neurons in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2002 , 103, 91-9	14.3	149
239	Convergence of multiple signaling cascades at glycogen synthase kinase 3: Edg receptor-mediated phosphorylation and inactivation by lysophosphatidic acid through a protein kinase C-dependent intracellular pathway. <i>Molecular and Cellular Biology</i> , 2002 , 22, 2099-110	4.8	147
238	Substrate specificity of a multifunctional calmodulin-dependent protein kinase. <i>Journal of Biological Chemistry</i> , 1985 , 260, 14471-6	5.4	147
237	R-spondin1 is a high affinity ligand for LRP6 and induces LRP6 phosphorylation and beta-catenin signaling. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15903-11	5.4	146
236	Role of glycogen synthase kinase-3 in cell fate and epithelial-mesenchymal transitions. <i>Cells Tissues Organs</i> , 2007 , 185, 73-84	2.1	144
235	Gsk3 is a metabolic checkpoint regulator in B cells. <i>Nature Immunology</i> , 2017 , 18, 303-312	19.1	141
234	Cross-linking CD40 on B cells preferentially induces stress-activated protein kinases rather than mitogen-activated protein kinases.. <i>EMBO Journal</i> , 1996 , 15, 92-101	13	140
233	Abnormalities in brain structure and behavior in GSK-3 α mutant mice. <i>Molecular Brain</i> , 2009 , 2, 35	4.5	138
232	Akt1 and akt2 play distinct roles in the initiation and metastatic phases of mammary tumor progression. <i>Cancer Research</i> , 2009 , 69, 5057-64	10.1	136
231	X protein of hepatitis B virus inhibits Fas-mediated apoptosis and is associated with up-regulation of the SAPK/JNK pathway. <i>Journal of Biological Chemistry</i> , 2001 , 276, 8328-40	5.4	133
230	Isolation and characterization of two distinct forms of protein kinase C. <i>Journal of Biological Chemistry</i> , 1987 , 262, 4836-43	5.4	129
229	The GSK-3 family as therapeutic target for myocardial diseases. <i>Circulation Research</i> , 2015 , 116, 138-49	15.7	127

228	When pathways collide: collaboration and connivance among signalling proteins in development. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 404-13	48.7	127
227	The calmodulin-dependent glycogen synthase kinase from rabbit skeletal muscle. Purification, subunit structure and substrate specificity. <i>FEBS Journal</i> , 1983 , 136, 481-7		127
226	Impaired CD28-mediated interleukin 2 production and proliferation in stress kinase SAPK/ERK1 kinase (SEK1)/mitogen-activated protein kinase kinase 4 (MKK4)-deficient T lymphocytes. <i>Journal of Experimental Medicine</i> , 1997 , 186, 941-53	16.6	124
225	A common denominator linking glycogen metabolism, nuclear oncogenes and development. <i>Trends in Biochemical Sciences</i> , 1991 , 16, 177-81	10.3	124
224	Glycogen synthase kinase-3 in insulin and Wnt signalling: a double-edged sword?. <i>Biochemical Society Transactions</i> , 2004 , 32, 803-8	5.1	122
223	Glycogen synthase kinase-3: functions in oncogenesis and development. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1992 , 1114, 147-62	11.2	122
222	Genetic analysis of protein kinase B (AKT) in Drosophila. <i>Current Biology</i> , 1998 , 8, 599-602	6.3	120
221	Phosphorylation of tyrosine hydroxylase by calmodulin-dependent multiprotein kinase.. <i>Journal of Biological Chemistry</i> , 1984 , 259, 13680-13683	5.4	120
220	Negative regulation of T cell proliferation and interleukin 2 production by the serine threonine kinase GSK-3. <i>Journal of Experimental Medicine</i> , 2000 , 192, 99-104	16.6	118
219	Glycogen synthase kinase 3beta negatively regulates both DNA-binding and transcriptional activities of heat shock factor 1. <i>Journal of Biological Chemistry</i> , 2000 , 275, 29147-52	5.4	117
218	A multifunctional calmodulin-dependent protein kinase. Similarities between skeletal muscle glycogen synthase kinase and a brain synapsin I kinase. <i>FEBS Letters</i> , 1983 , 163, 329-34	3.8	117
217	Negative regulation of mixed lineage kinase 3 by protein kinase B/AKT leads to cell survival. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3897-902	5.4	116
216	CD28-dependent activation of protein kinase B/Akt blocks Fas-mediated apoptosis by preventing death-inducing signaling complex assembly. <i>Journal of Experimental Medicine</i> , 2002 , 196, 335-48	16.6	116
215	Identification of multifunctional ATP-citrate lyase kinase as the alpha-isoform of glycogen synthase kinase-3. <i>Biochemical Journal</i> , 1992 , 288 (Pt 1), 309-14	3.8	114
214	GSK-3beta controls osteogenesis through regulating Runx2 activity. <i>PLoS ONE</i> , 2007 , 2, e837	3.7	113
213	Cardiac fibroblast glycogen synthase kinase-3 β regulates ventricular remodeling and dysfunction in ischemic heart. <i>Circulation</i> , 2014 , 130, 419-30	16.7	111
212	Glycogen Synthase Kinase 3: A Kinase for All Pathways?. <i>Current Topics in Developmental Biology</i> , 2017 , 123, 277-302	5.3	110
211	Phosphorylation of tyrosine hydroxylase by calmodulin-dependent multiprotein kinase. <i>Journal of Biological Chemistry</i> , 1984 , 259, 13680-3	5.4	110

210	Wingless inactivates glycogen synthase kinase-3 via an intracellular signalling pathway which involves a protein kinase C. <i>EMBO Journal</i> , 1996 , 15, 4526-36	13	109
209	Role of glycogen synthase kinase-3 in cancer: regulation by Wnts and other signaling pathways. <i>Advances in Cancer Research</i> , 2002 , 84, 203-29	5.9	108
208	GSK-3 β is a central regulator of age-related pathologies in mice. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1821-32	15.9	108
207	IL-17 receptor signaling inhibits C/EBP β by sequential phosphorylation of the regulatory 2 domain. <i>Science Signaling</i> , 2009 , 2, ra8	8.8	104
206	Modulation of cellular apoptotic potential: contributions to oncogenesis. <i>Oncogene</i> , 1999 , 18, 6094-103	9.2	104
205	Differential cellular phosphorylation of neurofilament heavy side-arms by glycogen synthase kinase-3 and cyclin-dependent kinase-5. <i>Journal of Neurochemistry</i> , 1996 , 66, 1698-706	6	102
204	Mediation of TNF receptor-associated factor effector functions by apoptosis signal-regulating kinase-1 (ASK1). <i>Oncogene</i> , 1999 , 18, 5814-20	9.2	102
203	Differential gene expression profiling of short and long term denervated muscle. <i>FASEB Journal</i> , 2006 , 20, 115-7	0.9	100
202	Unique and overlapping functions of GSK-3 isoforms in cell differentiation and proliferation and cardiovascular development. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9643-7	5.4	99
201	Serum and glucocorticoid-regulated protein kinases: variations on a theme. <i>Journal of Cellular Biochemistry</i> , 2006 , 98, 1391-407	4.7	99
200	Phorbol ester-induced amino-terminal phosphorylation of human JUN but not JUNB regulates transcriptional activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 7247-51	11.5	96
199	Tau phosphorylation in transgenic mice expressing glycogen synthase kinase-3 β transgenes. <i>NeuroReport</i> , 1997 , 8, 3251-5	1.7	95
198	Mammalian mitogen-activated protein kinase pathways are regulated through formation of specific kinase-activator complexes. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29876-81	5.4	95
197	Glycogen synthase kinase 3, circadian rhythms, and bipolar disorder: a molecular link in the therapeutic action of lithium. <i>Journal of Circadian Rhythms</i> , 2007 , 5, 3	2.5	90
196	Immunological evidence for two physiological forms of protein kinase C. <i>Molecular and Cellular Biology</i> , 1987 , 7, 85-96	4.8	90
195	Glycogen synthase kinase-3 β regulates post-myocardial infarction remodeling and stress-induced cardiomyocyte proliferation in vivo. <i>Circulation Research</i> , 2010 , 106, 1635-45	15.7	88
194	MLK-3 activates the SAPK/JNK and p38/RK pathways via SEK1 and MKK3/6. <i>EMBO Journal</i> , 1996 , 15, 7026-35	13	88
193	Characterization of the sites phosphorylated on tyrosine hydroxylase by Ca ²⁺ and phospholipid-dependent protein kinase, calmodulin-dependent multiprotein kinase and cyclic AMP-dependent protein kinase. <i>FEBS Letters</i> , 1985 , 182, 335-9	3.8	87

192	Genetic deficiency of glycogen synthase kinase-3 β corrects diabetes in mouse models of insulin resistance. <i>PLoS Biology</i> , 2008 , 6, e37	9.7	86
191	Stress-activated protein kinases bind directly to the delta domain of c-Jun in resting cells: implications for repression of c-Jun function. <i>Oncogene</i> , 1995 , 10, 849-55	9.2	86
190	Nuclear GSK3 β promotes tumorigenesis by phosphorylating KDM1A and inducing its deubiquitylation by USP22. <i>Nature Cell Biology</i> , 2016 , 18, 954-966	23.4	86
189	Activation of stress-activated protein kinases/c-Jun N-terminal protein kinases (SAPKs/JNKs) by a novel mitogen-activated protein kinase kinase. <i>Journal of Biological Chemistry</i> , 1997 , 272, 32378-83	5.4	85
188	Glycogen synthase kinase-3 and cancer: good cop, bad cop?. <i>Cancer Cell</i> , 2008 , 14, 351-3	24.3	84
187	cDNA cloning and properties of glycogen synthase kinase-3. <i>Methods in Enzymology</i> , 1991 , 200, 564-77	1.7	84
186	PHF-tau from Alzheimer's brain comprises four species on SDS-PAGE which can be mimicked by in vitro phosphorylation of human brain tau by glycogen synthase kinase-3 β . <i>FEBS Letters</i> , 1994 , 349, 359-64	3.8	83
185	GSK3 β mediates muscle pathology in myotonic dystrophy. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4461-72	15.9	82
184	β -Catenin activation synergizes with PTEN loss to cause bladder cancer formation. <i>Oncogene</i> , 2011 , 30, 178-89	9.2	82
183	Conditional ablation of Gsk-3 β in islet beta cells results in expanded mass and resistance to fat feeding-induced diabetes in mice. <i>Diabetologia</i> , 2010 , 53, 2600-10	10.3	82
182	CpG Island microarray probe sequences derived from a physical library are representative of CpG Islands annotated on the human genome. <i>Nucleic Acids Research</i> , 2005 , 33, 2952-61	20.1	82
181	Opioid effects on mitogen-activated protein kinase signaling cascades. <i>Anesthesiology</i> , 1997 , 87, 1118-26	4.3	79
180	Stress pathway activation induces phosphorylation of retinoid X receptor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 32193-9	5.4	77
179	Expression of active protein kinase B in T cells perturbs both T and B cell homeostasis and promotes inflammation. <i>Journal of Immunology</i> , 2001 , 167, 42-8	5.3	75
178	mTOR regulates brain morphogenesis by mediating GSK3 signaling. <i>Development (Cambridge)</i> , 2014 , 141, 4076-86	6.6	74
177	Genetic and pharmacological evidence for schizophrenia-related Disc1 interaction with GSK-3. <i>Synapse</i> , 2011 , 65, 234-48	2.4	74
176	Regulation and functions of the glycogen synthase kinase-3 subfamily. <i>Seminars in Cancer Biology</i> , 1994 , 5, 269-75	12.7	74
175	Targeting glycogen synthase kinase-3 (GSK-3) in the treatment of Type 2 diabetes. <i>Expert Opinion on Therapeutic Targets</i> , 2008 , 12, 1265-74	6.4	71

174	Regulation of the protein kinase activity of Shaggy(Zeste-white3) by components of the wingless pathway in Drosophila cells and embryos. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21790-6	5.4	69
173	Phosphoinositide-dependent phosphorylation of PDK1 regulates nuclear translocation. <i>Molecular and Cellular Biology</i> , 2005 , 25, 2347-63	4.8	67
172	Identification of a calmodulin-dependent glycogen synthase kinase in rabbit skeletal muscle, distinct from phosphorylase kinase. <i>FEBS Letters</i> , 1982 , 148, 5-11	3.8	66
171	Inhibitory phosphorylation of GSK-3 by CaMKII couples depolarization to neuronal survival. <i>Journal of Biological Chemistry</i> , 2010 , 285, 41122-34	5.4	65
170	Physiological roles of glycogen synthase kinase-3: potential as a therapeutic target for diabetes and other disorders. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2003 , 3, 281-90		65
169	Expression of I2PP2A, an inhibitor of protein phosphatase 2A, induces c-Jun and AP-1 activity. <i>Biochemical Journal</i> , 1999 , 341, 293-298	3.8	65
168	GSK-3 β kinases and amyloid production in vivo. <i>Nature</i> , 2011 , 480, E4-5; discussion E6	50.4	63
167	GSK3 β mediates renal response to vasopressin by modulating adenylate cyclase activity. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 428-37	12.7	63
166	Glycogen synthase kinase-3 β induces neuronal cell death via direct phosphorylation of mixed lineage kinase 3. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30393-405	5.4	60
165	Bcl-2 targeted to the endoplasmic reticulum can inhibit apoptosis induced by Myc but not etoposide in Rat-1 fibroblasts. <i>Oncogene</i> , 1999 , 18, 3520-8	9.2	60
164	The stress-activated protein kinases. A novel ERK subfamily responsive to cellular stress and inflammatory cytokines. <i>Annals of the New York Academy of Sciences</i> , 1995 , 766, 303-19	6.5	60
163	Inactivation of the enzyme GSK3 β by the kinase IKKi promotes AKT-mTOR signaling pathway that mediates interleukin-1-induced Th17 cell maintenance. <i>Immunity</i> , 2012 , 37, 800-12	32.3	59
162	Neuronal deletion of GSK3 β increases microtubule speed in the growth cone and enhances axon regeneration via CRMP-2 and independently of MAP1B and CLASP2. <i>BMC Biology</i> , 2014 , 12, 47	7.3	58
161	Regulation of Th1 cells and experimental autoimmune encephalomyelitis by glycogen synthase kinase-3. <i>Journal of Immunology</i> , 2013 , 190, 5000-11	5.3	58
160	Negative regulation of phosphatidylinositol 3-kinase and Akt signalling pathway by PKC. <i>Cellular Signalling</i> , 2003 , 15, 37-45	4.9	57
159	Ionizing radiation stimulates a Grb2-mediated association of the stress-activated protein kinase with phosphatidylinositol 3-kinase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18871-4	5.4	57
158	Overexpressed tau protein in cultured cells is phosphorylated without formation of PHF: implication of phosphoprotein phosphatase involvement. <i>Molecular Brain Research</i> , 1995 , 34, 1-17		56
157	HPK1, a hematopoietic protein kinase activating the SAPK/JNK pathway. <i>EMBO Journal</i> , 1996 , 15, 7013-25		56

156	Loss of Adult Cardiac Myocyte GSK-3 Leads to Mitotic Catastrophe Resulting in Fatal Dilated Cardiomyopathy. <i>Circulation Research</i> , 2016 , 118, 1208-22	15.7	55
155	Evidence that amiloride antagonises insulin-stimulated protein phosphorylation by inhibiting protein kinase activity. <i>FEBS Letters</i> , 1983 , 154, 269-73	3.8	55
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