

# David Stapleton

## List of Publications by Year in descending order

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40  
papers

6,522  
citations

109321

35  
h-index

302126

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

5782  
citing authors

#	ARTICLE	IF	CITATIONS
1	AMP-Activated Protein Kinase $\beta$ -Subunit Requires Internal Motion for Optimal Carbohydrate Binding. <i>Biophysical Journal</i> , 2012, 102, 305-314.	0.5	18
2	AMPK $\beta$ subunits display isoform specific affinities for carbohydrates. <i>FEBS Letters</i> , 2010, 584, 3499-3503.	2.8	55
3	Analysis of hepatic glycogen-associated proteins. <i>Proteomics</i> , 2010, 10, 2320-2329.	2.2	75
4	5-Aminoimidazole-4-carboxamide ribonucleoside and AMP-activated protein kinase inhibit signalling through NF- $\kappa$ B. <i>Immunology and Cell Biology</i> , 2010, 88, 754-760.	2.3	50
5	Comparative structural analyses of purified glycogen particles from rat liver, human skeletal muscle and commercial preparations. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 478-482.	7.5	82
6	Thienopyridone Drugs Are Selective Activators of AMP-Activated Protein Kinase $\beta$ 1-Containing Complexes. <i>Chemistry and Biology</i> , 2008, 15, 1220-1230.	6.0	221
7	AMP-activated Protein Kinase Subunit Interactions. <i>Journal of Biological Chemistry</i> , 2008, 283, 4799-4807.	3.4	29
8	AMP-activated protein kinase does not associate with glycogen $\beta$ -particles from rat liver. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 811-815.	2.1	36
9	Oligosaccharide recognition and binding to the carbohydrate binding module of AMP-activated protein kinase. <i>FEBS Letters</i> , 2007, 581, 5055-5059.	2.8	37
10	Reduced glycogen availability is associated with increased AMPK $\beta$ 2 activity, nuclear AMPK $\beta$ 2 protein abundance, and GLUT4 mRNA expression in contracting human skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006, 31, 302-312.	1.9	83
11	Structural Basis for Glycogen Recognition by AMP-Activated Protein Kinase. <i>Structure</i> , 2005, 13, 1453-1462.	3.3	175
12	Crystallization of the glycogen-binding domain of the AMP-activated protein kinase $\beta$ 2 subunit and preliminary X-ray analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 39-42.	0.7	12
13	Regulation of the energy sensor AMP-activated protein kinase in the kidney by dietary salt intake and osmolality. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F578-F586.	2.7	63
14	Increased $\beta$ 2 Subunit-Associated AMPK Activity and PRKAG2 Cardiomyopathy. <i>Circulation</i> , 2005, 112, 3140-3148.	1.6	83
15	AMP-activated Protein Kinase $\beta$ 2 Subunit Tethers $\beta$ 1 and $\beta$ 3 Subunits via Its C-terminal Sequence (186-270). <i>Journal of Biological Chemistry</i> , 2005, 280, 13395-13400.	3.4	117
16	Cytoplasmic ATP-sensing Domains Regulate Gating of Skeletal Muscle ClC-1 Chloride Channels. <i>Journal of Biological Chemistry</i> , 2005, 280, 32452-32458.	3.4	106
17	Ectopic EphA4 Receptor Induces Posterior Protrusions via FGF Signaling in Xenopus Embryos. <i>Molecular Biology of the Cell</i> , 2004, 15, 1647-1655.	2.1	39
18	Mutations in the Gal83 Glycogen-Binding Domain Activate the Snf1/Gal83 Kinase Pathway by a Glycogen-Independent Mechanism. <i>Molecular and Cellular Biology</i> , 2004, 24, 352-361.	2.3	50

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19	The 5'-AMP-activated Protein Kinase $\beta_3$ Isoform Has a Key Role in Carbohydrate and Lipid Metabolism in Glycolytic Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2004, 279, 38441-38447.	3.4	264
20	Intrasteric control of AMPK via the $\alpha_1$ subunit AMP allosteric regulatory site. <i>Protein Science</i> , 2004, 13, 155-165.	7.6	141
21	AMPK $\beta_2$ Subunit Targets Metabolic Stress Sensing to Glycogen. <i>Current Biology</i> , 2003, 13, 867-871.	3.9	377
22	Transgenic Mice Overexpressing Mutant <i>PRKAG2</i> Define the Cause of Wolff-Parkinson-White Syndrome in Glycogen Storage Cardiomyopathy. <i>Circulation</i> , 2003, 107, 2850-2856.	1.6	300
23	AMP-activated protein kinase kinase: detection with recombinant AMPK $\alpha_1$ subunit. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 892-898.	2.1	60
24	An activating mutation in the $\beta_1$ subunit of the AMP-activated protein kinase. <i>FEBS Letters</i> , 2001, 500, 163-168.	2.8	100
25	Post-translational modifications of the $\beta_1$ subunit of AMP-activated protein kinase affect enzyme activity and cellular localization. <i>Biochemical Journal</i> , 2001, 354, 275.	3.7	151
26	Post-translational modifications of the $\beta_1$ subunit of AMP-activated protein kinase affect enzyme activity and cellular localization. <i>Biochemical Journal</i> , 2001, 354, 275-283.	3.7	226
27	Coordinated Control of Endothelial Nitric-oxide Synthase Phosphorylation by Protein Kinase C and the cAMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 2001, 276, 17625-17628.	3.4	484
28	The crystal structure of an Eph receptor SAM domain reveals a mechanism for modular dimerization. <i>Nature Structural Biology</i> , 1999, 6, 44-49.	9.7	229
29	Dealing with energy demand: the AMP-activated protein kinase. <i>Trends in Biochemical Sciences</i> , 1999, 24, 22-25.	7.5	488
30	AMP-activated protein kinase phosphorylation of endothelial NO synthase. <i>FEBS Letters</i> , 1999, 443, 285-289.	2.8	729
31	Expression of the AMP-activated protein kinase $\beta_1$ and $\beta_2$ subunits in skeletal muscle. <i>FEBS Letters</i> , 1999, 460, 343-348.	2.8	114
32	Cellular Distribution and Developmental Expression of AMP-Activated Protein Kinase Isoforms in Mouse Central Nervous System. <i>Journal of Neurochemistry</i> , 1999, 72, 1707-1716.	3.9	238
33	Posttranslational Modifications of the 5'-AMP-activated Protein Kinase $\beta_1$ Subunit. <i>Journal of Biological Chemistry</i> , 1997, 272, 24475-24479.	3.4	135
34	AMP-activated protein kinase isoenzyme family: subunit structure and chromosomal location. <i>FEBS Letters</i> , 1997, 409, 452-456.	2.8	112
35	Isoform-specific Purification and Substrate Specificity of the 5'-AMP-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 1996, 271, 28445-28450.	3.4	108
36	Non-catalytic $\alpha$ - and $\beta$ -Subunit Isoforms of the 5'-AMP-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 1996, 271, 8675-8681.	3.4	120

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37	Regulation of 5â€™-AMP-activated Protein Kinase Activity by the Noncatalytic $\hat{2}$ and $\hat{3}$ Subunits. Journal of Biological Chemistry, 1996, 271, 17798-17803.	3.4	171
38	Mammalian AMP-activated Protein Kinase Subfamily. Journal of Biological Chemistry, 1996, 271, 611-614.	3.4	569
39	Catalytic subunits of the porcine and rat 5â€™-AMP-activated protein kinase are members of the SNF1 protein kinase family. Biochimica Et Biophysica Acta - Molecular Cell Research, 1995, 1266, 73-82.	4.1	75
40	AMPK beta1. The AFCS-nature Molecule Pages, 0, , .	0.2	0