Kei Sakamoto

List of Publications by Year
in descending order

135	15,844	16791 66	18944 123
papers	citations	h-index	g-index

139	139	139	22578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Skeletal muscle. , 2022, , 213-225.		0
2	Opposing effects on regulated insulin secretion of acute vs chronic stimulation of AMP-activated protein kinase. Diabetologia, 2022, 65, 997-1011.	2.9	4
3	Natural (dihydro)phenanthrene plant compounds are direct activators of AMPK through its allosteric drug and metaboliteâ€“binding site. Journal of Biological Chemistry, 2022, 298, 101852.	1.6	6
4	PEN2: Metforminâ€™s new partner at lysosome. Cell Research, 2022, 32, 507-508.	5.7	1
5	Glucose-Dependent miR-125b Is a Negative Regulator of Î²-Cell Function. Diabetes, 2022, 71, 1525-1545.	0.3	10
6	Mechanism of glycogen synthase inactivation and interaction with glycogenin. Nature Communications, 2022, 13, .	5.8	15
7	A-769662 inhibits adipocyte glucose uptake in an AMPK-independent manner. Biochemical Journal, 2021, 478, 633-646.	1.7	9
8	Investigation of the specificity and mechanism of action of the ULK1/AMPK inhibitor SBI-0206965. Biochemical Journal, 2021, 478, 2977-2997.	1.7	26
9	Compound- and fiber type-selective requirement of AMPKÎ³3 for insulin-independent glucose uptake in skeletal muscle. Molecular Metabolism, 2021, 51, 101228.	3.0	14
10	Transcription factor EB and TFE3: new metabolic coordinators mediating adaptive responses to exercise in skeletal muscle?. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E763-E768.	1.8	20
11	AMPK-dependent activation of the Cyclin Y/CDK16 complex controls autophagy. Nature Communications, 2020, 11, 1032.	5.8	25
12	AMPK promotes induction of the tumor suppressor FLCN through activation of TFEB independently of mTOR. FASEB Journal, 2019, 33, 12374-12391.	0.2	57
13	Identification of novel PCTAIRE-1/CDK16 substrates using a chemical genetic screen. Cellular Signalling, 2019, 59, 53-61.	1.7	8
14	Chemical genetic screen identifies Gapex-5/GAPVD1 and STBD1 as novel AMPK substrates. Cellular Signalling, 2019, 57, 45-57.	1.7	18
15	AMPK promotes survival of câ€Mycâ€positive melanoma cells by suppressing oxidative stress. EMBO Journal, 2018, 37, .	3.5	34
16	AMPK activation counteracts cardiac hypertrophy by reducing O-GlcNAcylation. Nature Communications, 2018, 9, 374.	5.8	179
17	MiRâ€184 expression is regulated by AMPK in pancreatic islets. FASEB Journal, 2018, 32, 2587-2600.	0.2	39
18	Metformin selectively targets redox control of complex I energy transduction. Redox Biology, 2018, 14, 187-197.	3.9	115

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19	AMPK activation by A-769662 and 991 does not affect catecholamine-induced lipolysis in human adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E1075-E1085.	1.8	16
20	The Salt-Inducible Kinases: Emerging Metabolic Regulators. Trends in Endocrinology and Metabolism, 2018, 29, 827-840.	3.1	67
21	Mutant GNAS drives pancreatic tumourigenesis by inducing PKA-mediated SIK suppression and reprogramming lipid metabolism. Nature Cell Biology, 2018, 20, 811-822.	4.6	124
22	Exercise-induced molecular mechanisms promoting glycogen supercompensation in human skeletal muscle. Molecular Metabolism, 2018, 16, 24-34.	3.0	58
23	Metformin reduces liver glucose production by inhibition of fructose-1-6-bisphosphatase. Nature Medicine, 2018, 24, 1395-1406.	15.2	212
24	Structure and inhibitor specificity of the PCTAIRE-family kinase CDK16. Biochemical Journal, 2017, 474, 699-713.	1.7	26
25	<scp>AMPK</scp>Î±1â€<scp>LDH</scp> pathway regulates muscle stem cell selfâ€renewal by controlling metabolic homeostasis. EMBO Journal, 2017, 36, 1946-1962.	3.5	95
26	GFAT1 phosphorylation by AMPK promotes VEGF-induced angiogenesis. Biochemical Journal, 2017, 474, 983-1001.	1.7	84
27	The autophagy initiator ULK1 sensitizes AMPK to allosteric drugs. Nature Communications, 2017, 8, 571.	5.8	65
28	A Tbc1d1 Ser231Ala-knockin mutation partially impairs AICAR- but not exercise-induced muscle glucose uptake in mice. Diabetologia, 2017, 60, 336-345.	2.9	32
29	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. Cell Metabolism, 2016, 24, 118-129.	7.2	259
30	Benzimidazole derivative small-molecule 991 enhances AMPK activity and glucose uptake induced by AICAR or contraction in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E706-E719.	1.8	53
31	Investigation of salicylate hepatic responses in comparison with chemical analogues of the drug. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1412-1422.	1.8	8
32	Anti-Inflammatory Effects of Metformin Irrespective of Diabetes Status. Circulation Research, 2016, 119, 652-665.	2.0	498
33	Six1 homeoprotein drives myofiber type IIA specialization in soleus muscle. Skeletal Muscle, 2016, 6, 30.	1.9	24
34	Standardized LCÃ—LC-ELSD Fractionation Procedure for the Identification of Minor Bioactives via the Enzymatic Screening of Natural Extracts. Journal of Natural Products, 2016, 79, 2856-2864.	1.5	7
35	Structural basis of allosteric and synergistic activation of AMPK by furan-2-phosphonic derivative C2 binding. Nature Communications, 2016, 7, 10912.	5.8	69
36	SIKs control osteocyte responses to parathyroid hormone. Nature Communications, 2016, 7, 13176.	5.8	124

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37	Disruption of the AMPKâ€“TBC1D1 nexus increases lipogenic gene expression and causes obesity in mice via promoting IGF1 secretion. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7219-7224.	3.3	41
38	Mediumâ€chain fatty acids inhibit mitochondrial metabolism in astrocytes promoting astrocyteâ€neuron lactate and ketone body shuttle systems. FASEB Journal, 2016, 30, 1913-1926.	0.2	119
39	Salt-inducible kinase 2 regulates CRTCs, HDAC4 and glucose uptake in adipocytes. Journal of Cell Science, 2015, 128, 472-86.	1.2	71
40	Cyclin Y phosphorylation- and 14-3-3-binding-dependent activation of PCTAIRE-1/CDK16. Biochemical Journal, 2015, 469, 409-420.	1.7	15
41	Expression and purification of functional human glycogen synthase-1:glycogenin-1 complex in insect cells. Protein Expression and Purification, 2015, 108, 23-29.	0.6	12
42	Motif affinity and mass spectrometry proteomic approach for the discovery of cellular AMPK targets: Identification of mitochondrial fission factor as a new AMPK substrate. Cellular Signalling, 2015, 27, 978-988.	1.7	143
43	Investigation of LKB1 Ser431 phosphorylation and Cys433 farnesylation using mouse knockin analysis reveals an unexpected role of prenylation in regulating AMPK activity. Biochemical Journal, 2014, 458, 41-56.	1.7	47
44	The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. Nature Communications, 2014, 5, 4535.	5.8	131
45	Structural basis for the recruitment of glycogen synthase by glycogenin. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2831-40.	3.3	43
46	Role of AMP-activated protein kinase in regulating hypoxic survival and proliferation of mesenchymal stem cells. Cardiovascular Research, 2014, 101, 20-29.	1.8	36
47	Enhanced activation of cellular AMPK by dual-small molecule treatment: AICAR and A769662. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E688-E696.	1.8	75
48	Mechanism of Action of Compound-13: An Î±1-Selective Small Molecule Activator of AMPK. Chemistry and Biology, 2014, 21, 866-879.	6.2	103
49	A-769662 potentiates the effect of other AMP-activated protein kinase activators on cardiac glucose uptake. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1619-H1630.	1.5	46
50	Mutation in the Î³2-Subunit of AMP-Activated Protein Kinase Stimulates Cardiomyocyte Proliferation and Hypertrophy Independent of Glycogen Storage. Circulation Research, 2014, 114, 966-975.	2.0	63
51	Salicylic acid: old and new implications for the treatment of type 2 diabetes?. Diabetology International, 2014, 5, 212-218.	0.7	16
52	AMPKÎ±1 Regulates Macrophage Skewing at the Time of Resolution of Inflammation during Skeletal Muscle Regeneration. Cell Metabolism, 2013, 18, 251-264.	7.2	375
53	Molecular mechanism of action of metformin: old or new insights?. Diabetologia, 2013, 56, 1898-1906.	2.9	376
54	A Noncanonical, GSK3-Independent Pathway Controls Postprandial Hepatic Glycogen Deposition. Cell Metabolism, 2013, 18, 99-105.	7.2	63

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55	LKB1 Regulates Lipid Oxidation During Exercise Independently of AMPK. Diabetes, 2013, 62, 1490-1499.	0.3	66
56	AS160 deficiency causes whole-body insulin resistance via composite effects in multiple tissues. Biochemical Journal, 2013, 449, 479-489.	1.7	71
57	Glucose-6-Phosphateâ€“Mediated Activation of Liver Glycogen Synthase Plays a Key Role in Hepatic Glycogen Synthesis. Diabetes, 2013, 62, 4070-4082.	0.3	78
58	Dual Regulation of Glycogen Synthase Kinase 3 (GSK3)Î±/Î² by Protein Kinase C (PKC)Î± and Akt Promotes Thrombin-mediated Integrin Î±IIbÎ²3 Activation and Granule Secretion in Platelets. Journal of Biological Chemistry, 2013, 288, 3918-3928.	1.6	123
59	Thr⁶⁴⁹Ala-AS160 knock-in mutation does not impair contraction/AICAR-induced glucose transport in mouse muscle. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1036-E1043.	1.8	31
60	AMP-activated protein kinase phosphorylates and inactivates liver glycogen synthase. Biochemical Journal, 2012, 443, 193-203.	1.7	98
61	Effect of acute exercise on glycogen synthase in muscle from obese and diabetic subjects. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E82-E89.	1.8	25
62	Analysis of substrate specificity and cyclin Y binding of PCTAIRE-1 kinase. Cellular Signalling, 2012, 24, 2085-2094.	1.7	17
63	Reduced AMPK-ACC and mTOR signaling in muscle from older men, and effect of resistance exercise. Mechanisms of Ageing and Development, 2012, 133, 655-664.	2.2	41
64	Cellular Responses to the Metal-Binding Properties of Metformin. Diabetes, 2012, 61, 1423-1433.	0.3	85
65	Aspirin Inhibits mTOR Signaling, Activates AMP-Activated Protein Kinase, and Induces Autophagy in Colorectal Cancer Cells. Gastroenterology, 2012, 142, 1504-1515.e3.	0.6	356
66	Molecular action and pharmacogenetics of metformin: current understanding of an old drug. Diabetes Management, 2012, 2, 439-452.	0.5	15
67	The Ancient Drug Salicylate Directly Activates AMP-Activated Protein Kinase. Science, 2012, 336, 918-922.	6.0	649
68	Impaired Adaptive Response to Mechanical Overloading in Dystrophic Skeletal Muscle. PLoS ONE, 2012, 7, e35346.	1.1	25
69	The AMPK-related kinase SIK2 is regulated by cAMP via phosphorylation at Ser358 in adipocytes. Biochemical Journal, 2012, 444, 503-514.	1.7	60
70	Mice with AS160/TBC1D4-Thr649Ala Knockin Mutation Are Glucose Intolerant with Reduced Insulin Sensitivity and Altered GLUT4 Trafficking. Cell Metabolism, 2011, 13, 68-79.	7.2	147
71	Chemical Genetic Screen for AMPKÎ±2 Substrates Uncovers a Network of Proteins Involved in Mitosis. Molecular Cell, 2011, 44, 878-892.	4.5	232
72	A small molecule AMPK activator protects the heart against ischemiaâ€“reperfusion injury. Journal of Molecular and Cellular Cardiology, 2011, 51, 24-32.	0.9	149

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73	Protor-1 is required for efficient mTORC2-mediated activation of SGK1 in the kidney. Biochemical Journal, 2011, 436, 169-179.	1.7	162
74	Role of TAPP1 and TAPP2 adaptor binding to PtdIns(3,4)P2 in regulating insulin sensitivity defined by knock-in analysis. Biochemical Journal, 2011, 434, 265-274.	1.7	45
75	Counter-modulation of fatty acid-induced pro-inflammatory nuclear factor ÎºB signalling in rat skeletal muscle cells by AMP-activated protein kinase. Biochemical Journal, 2011, 435, 463-474.	1.7	69
76	Regulation of AMPâ€activated protein kinase by LKB1 and CaMKK in adipocytes. Journal of Cellular Biochemistry, 2011, 112, 1364-1375.	1.2	68
77	Molecular Mechanism by Which AMP-Activated Protein Kinase Activation Promotes Glycogen Accumulation in Muscle. Diabetes, 2011, 60, 766-774.	0.3	129
78	Regulation of the NKCC2 ion cotransporter by SPAK-OSR1-dependent and -independent pathways. Journal of Cell Science, 2011, 124, 789-800.	1.2	150
79	How moderate changes in Akt T-loop phosphorylation impact on tumorigenesis and insulin resistance. DMM Disease Models and Mechanisms, 2011, 4, 95-103.	1.2	14
80	How moderate changes in Akt T-loop phosphorylation impact on tumorigenesis and insulin resistance. Journal of Cell Science, 2011, 124, e1-e1.	1.2	0
81	Metformin inhibits hepatic gluconeogenesis in mice independently of the LKB1/AMPK pathway via a decrease in hepatic energy state. Journal of Clinical Investigation, 2010, 120, 2355-2369.	3.9	1,001
82	Allosteric Regulation of Glycogen Synthase Controls Glycogen Synthesis in Muscle. Cell Metabolism, 2010, 12, 456-466.	7.2	169
83	Important role for AMPKÎ±1 in limiting skeletal muscle cell hypertrophy. FASEB Journal, 2009, 23, 2264-2273.	0.2	106
84	Beyond AICA riboside: In search of new specific AMPâ€activated protein kinase activators. IUBMB Life, 2009, 61, 18-26.	1.5	81
85	Effect of high-intensity intermittent swimming on postexercise insulin sensitivity in rat epitrochlearis muscle. Metabolism: Clinical and Experimental, 2008, 57, 749-756.	1.5	29
86	Silencing Metabolic Disorders by Novel SIRT1 Activators. Cell Metabolism, 2008, 7, 3-4.	7.2	3
87	Regulating the Motor for GLUT4 Vesicle Traffic. Cell Metabolism, 2008, 8, 344-346.	7.2	8
88	Important role of the LKB1â€“AMPK pathway in suppressing tumorigenesis in PTEN-deficient mice. Biochemical Journal, 2008, 412, 211-221.	1.7	358
89	Mutation of the PDK1 PH Domain Inhibits Protein Kinase B/Akt, Leading to Small Size and Insulin Resistance. Molecular and Cellular Biology, 2008, 28, 3258-3272.	1.1	115
90	Use of Akt Inhibitor and a Drug-resistant Mutant Validates a Critical Role for Protein Kinase B/Akt in the Insulin-dependent Regulation of Glucose and System A Amino Acid Uptake. Journal of Biological Chemistry, 2008, 283, 27653-27667.	1.6	96

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91	Emerging role for AS160/TBC1D4 and TBC1D1 in the regulation of GLUT4 traffic. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E29-E37.	1.8	366
92	The effect of exercise and insulin on AS160 phosphorylation and 14-3-3 binding capacity in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E401-E407.	1.8	39
93	Insulin promotes glycogen synthesis in the absence of GSK3 phosphorylation in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E28-E35.	1.8	87
94	A novel short splice variant of the tumour suppressor LKB1 is required for spermiogenesis. Biochemical Journal, 2008, 416, 1-14.	1.7	74
95	Mechanism of Action of A-769662, a Valuable Tool for Activation of AMP-activated Protein Kinase. Journal of Biological Chemistry, 2007, 282, 32549-32560.	1.6	376
96	Resistance Exercise and Insulin Regulate AS160 and Interaction With 14-3-3 in Human Skeletal Muscle. Diabetes, 2007, 56, 1608-1614.	0.3	33
97	Effect of Acute Exercise on AMPK Signaling in Skeletal Muscle of Subjects With Type 2 Diabetes: A Time-Course and Dose-Response Study. Diabetes, 2007, 56, 836-848.	0.3	281
98	AMP-activated protein kinase mediates preconditioning in cardiomyocytes by regulating activity and trafficking of sarcolemmal ATP-sensitive K+ channels. Journal of Cellular Physiology, 2007, 210, 224-236.	2.0	122
99	AMPK: A Key Sensor of Fuel and Energy Status in Skeletal Muscle. Physiology, 2006, 21, 48-60.	1.6	434
100	LKB1-Dependent Signaling Pathways. Annual Review of Biochemistry, 2006, 75, 137-163.	5.0	707
101	Insulin-stimulated insulin receptor substrate-2â€“associated phosphatidylinositol 3â€“kinase activity is enhanced in human skeletal muscle after exercise. Metabolism: Clinical and Experimental, 2006, 55, 1046-1052.	1.5	43
102	Distinct Signals Regulate AS160 Phosphorylation in Response to Insulin, AICAR, and Contraction in Mouse Skeletal Muscle. Diabetes, 2006, 55, 2067-2076.	0.3	285
103	Role of Akt2 in contraction-stimulated cell signaling and glucose uptake in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1031-E1037.	1.8	55
104	Deficiency of LKB1 in heart prevents ischemia-mediated activation of AMPKÎ±2 but not AMPKÎ±1. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E780-E788.	1.8	193
105	Regulation of Dishevelled and Î²-catenin in rat skeletal muscle: an alternative exercise-induced GSK-3Î² signaling pathway. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E152-E158.	1.8	42
106	Differential effects of palmitate and palmitoleate on insulin action and glucose utilization in rat L6 skeletal muscle cells. Biochemical Journal, 2006, 399, 473-481.	1.7	199
107	Evaluation of Approaches to Generation of Tissue-specific Knock-in Mice. Journal of Biological Chemistry, 2006, 281, 28772-28781.	1.6	34
108	Role that phosphorylation of GSK3 plays in insulin and Wnt signalling defined by knockin analysis. EMBO Journal, 2005, 24, 1571-1583.	3.5	534

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109	Deficiency of LKB1 in skeletal muscle prevents AMPK activation and glucose uptake during contraction. EMBO Journal, 2005, 24, 1810-1820.	3.5	478
110	Insulin-Stimulated Glucose Uptake Does Not Require p38 Mitogen-Activated Protein Kinase in Adipose Tissue or Skeletal Muscle. Diabetes, 2005, 54, 3161-3168.	0.3	23
111	Role of the PDK1-PKB-GSK3 pathway in regulating glycogen synthase and glucose uptake in the heart. FEBS Letters, 2005, 579, 3632-3638.	1.3	80
112	Activity of LKB1 and AMPK-related kinases in skeletal muscle: effects of contraction, phenformin, and AICAR. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E310-E317.	1.8	273
113	Overexpression or ablation of JNK in skeletal muscle has no effect on glycogen synthase activity. American Journal of Physiology - Cell Physiology, 2004, 287, C200-C208.	2.1	44
114	Exercise regulates Akt and glycogen synthase kinase-3 activities in human skeletal muscle. Biochemical and Biophysical Research Communications, 2004, 319, 419-419.	1.0	0
115	5??? Adenosine Monophosphate-Activated Protein Kinase, Metabolism and Exercise. Sports Medicine, 2004, 34, 91-103.	3.1	62
116	Exercise regulates Akt and glycogen synthase kinase-3 activities in human skeletal muscle. Biochemical and Biophysical Research Communications, 2004, 319, 419-425.	1.0	94
117	Akt signaling in skeletal muscle: regulation by exercise and passive stretch. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E1081-E1088.	1.8	168
118	Invited Review: Intracellular signaling in contracting skeletal muscle. Journal of Applied Physiology, 2002, 93, 369-383.	1.2	221
119	Effect of AICAR Treatment on Glycogen Metabolism in Skeletal Muscle. Diabetes, 2002, 51, 567-573.	0.3	106
120	Contraction Regulation of Akt in Rat Skeletal Muscle. Journal of Biological Chemistry, 2002, 277, 11910-11917.	1.6	160
121	Insulin Signaling After Exercise in Insulin Receptor Substrate-2-Deficient Mice. Diabetes, 2002, 51, 479-483.	0.3	61
122	AMP-activated protein kinase activates transcription of the UCP3 and HKII genes in rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E1239-E1248.	1.8	89
123	Reduced expression of the murine p85Î± subunit of phosphoinositide 3-kinase improves insulin signaling and ameliorates diabetes. Journal of Clinical Investigation, 2002, 109, 141-149.	3.9	183
124	Malonyl-CoA Decarboxylase Is Not a Substrate of AMP-Activated Protein Kinase in Rat Fast-Twitch Skeletal Muscle or an Islet Cell Line. Archives of Biochemistry and Biophysics, 2001, 396, 71-79.	1.4	44
125	Static stretch increases c-Jun NH₂-terminal kinase activity and p38 phosphorylation in rat skeletal muscle. American Journal of Physiology - Cell Physiology, 2001, 280, C352-C358.	2.1	82
126	Effect of elbow joint angle on the magnitude of muscle damage to the elbow flexors. Medicine and Science in Sports and Exercise, 2001, 33, 22-29.	0.2	142

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127	The repeated bout effect of reduced-load eccentric exercise on elbow flexor muscle damage. European Journal of Applied Physiology, 2001, 85, 34-40.	1.2	128
128	How long does the protective effect on eccentric exercise-induced muscle damage last?. Medicine and Science in Sports and Exercise, 2001, 33, 1490-1495.	0.2	221
129	The Muscle-specific Protein Phosphatase PP1G/RGL(GM) Is Essential for Activation of Glycogen Synthase by Exercise. Journal of Biological Chemistry, 2001, 276, 39959-39967.	1.6	97
130	The adaptive response of transforming growth factor-Î²2 and -Î²RII in the overloaded, regenerating and denervated muscles of rats. Acta Neuropathologica, 2000, 99, 177-185.	3.9	27
131	Changes in plasma enzyme activity after intramuscular injection of bupivacaine into the human biceps brachii. Acta Physiologica Scandinavica, 1999, 167, 259-265.	2.3	18
132	The adaptive response of MyoD family proteins in overloaded, regenerating and denervated rat muscles. Biochimica Et Biophysica Acta - General Subjects, 1999, 1428, 284-292.	1.1	33
133	Differential adaptations of insulin-like growth factor-I, basic fibroblast growth factor, and leukemia inhibitory factor in the plantaris muscle of rats by mechanical overloading: an immunohistochemical study. Acta Neuropathologica, 1998, 95, 123-130.	3.9	31
134	Loss of sarcoplasmic reticulum membrane integrity after eccentric contractions. Acta Physiologica Scandinavica, 1997, 161, 581-582.	2.3	17
135	Creatine kinase release from regenerated muscles after eccentric contractions in rats. European Journal of Applied Physiology and Occupational Physiology, 1996, 73, 516-520.	1.2	5