Shinji Miura

List of Publications by Year
in descending order

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93	4,562	117453	102304
papers	citations	34 h-index	66 g-index

94	94	94	6117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of endurance training and PGC-1Î± overexpression on calculated lactate production volume during exercise based on blood lactate concentration. Scientific Reports, 2022, 12, 1635.	1.6	4
2	FOXO1 cooperates with C/EBPÎ´ and ATF4 to regulate skeletal muscle atrophy transcriptional program during fasting. FASEB Journal, 2022, 36, e22152.	0.2	22
3	The Steroidal Alkaloid Tomatidine and Tomatidine-Rich Tomato Leaf Extract Suppress the Human Gastric Cancer-Derived 85As2 Cells In Vitro and In Vivo via Modulation of Interferon-Stimulated Genes. Nutrients, 2022, 14, 1023.	1.7	12
4	PP6 deficiency in mice with KRAS mutation and Trp53 loss promotes early death by PDAC with cachexiaâ€like features. Cancer Science, 2022, 113, 1613-1624.	1.7	3
5	Differences in phosphatidylcholine profiles and identification of characteristic phosphatidylcholine molecules in meat animal species and meat cut locations. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1205-1214.	0.6	4
6	Effects of fenofibrate and its combination with lovastatin on the expression of genes involved in skeletal muscle atrophy, including FoxO1 and its targets. Journal of Toxicological Sciences, 2021, 46, 11-24.	0.7	3
7	Citrus hassaku Extract Powder Increases Mitochondrial Content and Oxidative Muscle Fibers by Upregulation of PGC-1Î± in Skeletal Muscle. Nutrients, 2021, 13, 497.	1.7	6
8	Metabolomic analysis on blood of transgenic mice overexpressing PGC-1Î± in skeletal muscle. Bioscience, Biotechnology and Biochemistry, 2021, 85, 579-586.	0.6	6
9	Skeletal muscle-specific forkhead box protein-O1 overexpression suppresses atherosclerosis progression in apolipoprotein E-knockout mice. Biochemical and Biophysical Research Communications, 2021, 540, 61-66.	1.0	2
10	Fasting increases 18:2-containing phosphatidylcholines to complement the decrease in 22:6-containing phosphatidylcholines in mouse skeletal muscle. PLoS ONE, 2021, 16, e0255178.	1.1	4
11	The enhancement of fat oxidation during the active phase and suppression of body weight gain in glycerol-3-phosphate dehydrogenase 1 deficient mice. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2367-2373.	0.6	2
12	Î²-Aminoisobutyric Acid Suppresses Atherosclerosis in Apolipoprotein E-Knockout Mice. Biological and Pharmaceutical Bulletin, 2020, 43, 1016-1019.	0.6	9
13	Glycerophospholipid profile alterations are associated with murine muscleâ€wasting phenotype. Muscle and Nerve, 2020, 62, 413-418.	1.0	11
14	The presence of odd-chain fatty acids inDrosophilaphospholipids. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2139-2148.	0.6	5
15	Regulation of Skeletal Muscle Function by Amino Acids. Nutrients, 2020, 12, 261.	1.7	116
16	FOXO1 suppresses PGCâ€1Î² gene expression in skeletal muscles. FEBS Open Bio, 2020, 10, 1373-1388.	1.0	6
17	Metabolomic Analysis of Skeletal Muscle in Aged Mice. Scientific Reports, 2019, 9, 10425.	1.6	76
18	Muscle-derived SDF-1Î±/CXCL12 modulates endothelial cell proliferation but not exercise training-induced angiogenesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R770-R779.	0.9	12

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19	Acute fructose intake suppresses fasting-induced hepatic gluconeogenesis through the AKT-FoxO1 pathway. Biochemistry and Biophysics Reports, 2019, 18, 100638.	0.7	7
20	Skeletal Muscle-specific PGC-1Î± Overexpression Suppresses Atherosclerosis in Apolipoprotein E-Knockout Mice. Scientific Reports, 2019, 9, 4077.	1.6	28
21	Green Tea Extracts Attenuate Brain Dysfunction in High-Fat-Diet-Fed SAMP8 Mice. Nutrients, 2019, 11, 821.	1.7	13
22	Distinct Roles of Zmynd17 and PGC1Î± in Mitochondrial Quality Control and Biogenesis in Skeletal Muscle. Frontiers in Cell and Developmental Biology, 2019, 7, 330.	1.8	8
23	Genistein, daidzein, and resveratrols stimulate PGC-1Î²-mediated gene expression. Biochemistry and Biophysics Reports, 2019, 17, 51-55.	0.7	15
24	Characterization of myofiberâ€typeâ€specific molecules using mass spectrometry imaging. Rapid Communications in Mass Spectrometry, 2019, 33, 185-192.	0.7	17
25	Effects of Sanyaku and Its Constituent Diosgenin on the Fasted and Postprandial Hypertriacylglycerolemia in High-Fat-Diet-Fed KK-A^y Mice. Journal of Agricultural and Food Chemistry, 2018, 66, 9968-9975.	2.4	25
26	Green tea extracts ameliorate high-fat dietâ€“induced muscle atrophy in senescence-accelerated mouse prone-8 mice. PLoS ONE, 2018, 13, e0195753.	1.1	36
27	Vitamin D Attenuates FOXO1-Target Atrophy Gene Expression in C2C12 Muscle Cells. Journal of Nutritional Science and Vitaminology, 2018, 64, 229-232.	0.2	24
28	Zmynd17 controls muscle mitochondrial quality and wholeâ€body metabolism. FASEB Journal, 2018, 32, 5012-5025.	0.2	23
29	Muscle-specific deletion of BDK amplifies loss of myofibrillar protein during protein undernutrition. Scientific Reports, 2017, 7, 39825.	1.6	20
30	Improved skeletal muscle Ca²⁺ regulation in vivo following contractions in mice overexpressing PGC-1Î±. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R1017-R1028.	0.9	25
31	Effects of the dietary carbohydrateâ€“fat ratio on plasma phosphatidylcholine profiles in human and mouse. Journal of Nutritional Biochemistry, 2017, 50, 83-94.	1.9	14
32	Induction of glucose uptake in skeletal muscle by central leptin is mediated by muscle Î²2-adrenergic receptor but not by AMPK. Scientific Reports, 2017, 7, 15141.	1.6	29
33	Effect of endurance training and branched-chain amino acids on the signaling for muscle protein synthesis in CKD model rats fed a low-protein diet. American Journal of Physiology - Renal Physiology, 2017, 313, F805-F814.	1.3	10
34	Glycerol-3-phosphate dehydrogenase 1 deficiency induces compensatory amino acid metabolism during fasting in mice. Metabolism: Clinical and Experimental, 2016, 65, 1646-1656.	1.5	30
35	Deletion of the transcriptional coactivator PGC1Î± in skeletal muscles is associated with reduced expression of genes related to oxidative muscle function. Biochemical and Biophysical Research Communications, 2016, 481, 251-258.	1.0	12
36	In Vivo Ca2+ Buffering Capacity Following Muscle Contractions In Skeletal Muscle Of Pgc-1Î± Overexpressing Mice. Medicine and Science in Sports and Exercise, 2016, 48, 747.	0.2	0

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37	Phosphorylation of 4EBP by oral leucine administration was suppressed in the skeletal muscle of PGC-1Î± knockout mice. Bioscience, Biotechnology and Biochemistry, 2016, 80, 288-290.	0.6	8
38	Metabolomic Analysis of the Skeletal Muscle of Mice Overexpressing PGC-1Î±. PLoS ONE, 2015, 10, e0129084.	1.1	65
39	Glycerol 3-phosphate dehydrogenase 1 deficiency enhances exercise capacity due to increased lipid oxidation during strenuous exercise. Biochemical and Biophysical Research Communications, 2015, 457, 653-658.	1.0	13
40	PGC-1Î±-mediated changes in phospholipid profiles of exercise-trained skeletal muscle. Journal of Lipid Research, 2015, 56, 2286-2296.	2.0	47
41	Mechanisms of exercise- and training-induced fatty acid oxidation in skeletal muscle. The Journal of Physical Fitness and Sports Medicine, 2014, 3, 43-53.	0.2	5
42	The effects of PGC-1Î± on control of microvascular P<scp>o</scp>₂kinetics following onset of muscle contractions. Journal of Applied Physiology, 2014, 117, 163-170.	1.2	10
43	The role of glycerol-3-phosphate dehydrogenase 1 in the progression of fatty liver after acute ethanol administration in mice. Biochemical and Biophysical Research Communications, 2014, 444, 525-530.	1.0	29
44	PGC-1Î±-Mediated Branched-Chain Amino Acid Metabolism in the Skeletal Muscle. PLoS ONE, 2014, 9, e91006.	1.1	77
45	Marked phenotypic differences of endurance performance and exercise-induced oxygen consumption between AMPK and LKB1 deficiency in mouse skeletal muscle: changes occurring in the diaphragm. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E213-E229.	1.8	17
46	Role of DNA Methylation in the Regulation of Lipogenic Glycerol-3-Phosphate Acyltransferase 1 Gene Expression in the Mouse Neonatal Liver. Diabetes, 2012, 61, 2442-2450.	0.3	47
47	Dietary Î²-conglycinin prevents fatty liver induced by a high-fat diet by a decrease in peroxisome proliferator-activated receptor Î³2 protein. Journal of Nutritional Biochemistry, 2012, 23, 123-132.	1.9	39
48	Skeletal Muscle-Specific Expression of PGC-1Î±-b, an Exercise-Responsive Isoform, Increases Exercise Capacity and Peak Oxygen Uptake. PLoS ONE, 2011, 6, e28290.	1.1	129
49	An increase in liver PPARÎ³2 is an initial event to induce fatty liver in response to a diet high in butter: PPARÎ³2 knockdown improves fatty liver induced by high-saturated fat. Journal of Nutritional Biochemistry, 2011, 22, 543-553.	1.9	78
50	Effect of exercise intensity and AICAR on isoform-specific expressions of murine skeletal muscle PGC-1Î± mRNA: a role of Î²₂-adrenergic receptor activation. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E341-E349.	1.8	100
51	Control of microvascular P<scp>o</scp>₂kinetics following onset of muscle contractions: role for AMPK. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1350-R1357.	0.9	15
52	Increased Systemic Glucose Tolerance with Increased Muscle Glucose Uptake in Transgenic Mice Overexpressing RXRÎ³ in Skeletal Muscle. PLoS ONE, 2011, 6, e20467.	1.1	10
53	Increased Expression of DNA Methyltransferase 3a in Obese Adipose Tissue: Studies With Transgenic Mice. Obesity, 2010, 18, 314-321.	1.5	83
54	The cathepsin L gene is a direct target of FOXO1 in skeletal muscle. Biochemical Journal, 2010, 427, 171-178.	1.7	55

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55	The Role of AMPK in Skeletal Muscle on Microvascular P02 Kinetics Following Onset of Muscle Contraction. Medicine and Science in Sports and Exercise, 2010, 42, 37.	0.2	0
56	FOXO1 regulates the expression of 4E-BP1 and inhibits mTOR signaling in mammalian skeletal muscle.. Journal of Biological Chemistry, 2009, 284, 20440.	1.6	1
57	Î±₂-AMPK activity is not essential for an increase in fatty acid oxidation during low-intensity exercise. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E47-E55.	1.8	49
58	Ubiquitin Câ€terminal hydrolaseâ€L3â€knockout mice are resistant to dietâ€induced obesity and show increased activation of AMPâ€activated protein kinase in skeletal muscle. FASEB Journal, 2009, 23, 4148-4157.	0.2	20
59	Overexpression of FOXO1 in skeletal muscle does not alter longevity in mice. Mechanisms of Ageing and Development, 2009, 130, 420-428.	2.2	20
60	Fasting-Induced Hypothermia and Reduced Energy Production in Mice Lacking Acetyl-CoA Synthetase 2. Cell Metabolism, 2009, 9, 191-202.	7.2	88
61	Foxo1 Inhibits Skeletal Muscle Hypertrophy. Medicine and Science in Sports and Exercise, 2009, 41, 33.	0.2	1
62	Fish oil fed prior to ethanol administration prevents acute ethanol-induced fatty liver in mice. Journal of Hepatology, 2008, 49, 441-450.	1.8	93
63	Isoform-Specific Increases in Murine Skeletal Muscle Peroxisome Proliferator-Activated Receptor-Î³ Coactivator-1Î± (PGC-1Î±) mRNA in Response to Î²2-Adrenergic Receptor Activation and Exercise. Endocrinology, 2008, 149, 4527-4533.	1.4	137
64	Regulation of SREBP1c Gene Expression in Skeletal Muscle: Role of Retinoid X Receptor/Liver X Receptor and Forkhead-O1 Transcription Factor. Endocrinology, 2008, 149, 2293-2305.	1.4	71
65	An Increase in Murine Skeletal Muscle Peroxisome Proliferator-Activated Receptor-Î³ Coactivator-1Î± (PGC-1Î±) mRNA in Response to Exercise Is Mediated by Î²-Adrenergic Receptor Activation. Endocrinology, 2007, 148, 3441-3448.	1.4	165
66	FOXO1 Regulates the Expression of 4E-BP1 and Inhibits mTOR Signaling in Mammalian Skeletal Muscle. Journal of Biological Chemistry, 2007, 282, 21176-21186.	1.6	89
67	Peg1/Mestin obese adipose tissue is expressed from the paternal allele in an isoform-specific manner. FEBS Letters, 2007, 581, 91-96.	1.3	44
68	Role of Satellite Cells in FoxO1-Mediated Skeletal Muscle Growth. Medicine and Science in Sports and Exercise, 2007, 39, S223.	0.2	0
69	Overexpression of Peroxisome Proliferator-Activated Receptor Î³ Co-Activator-1Î± Leads to Muscle Atrophy with Depletion of ATP. American Journal of Pathology, 2006, 169, 1129-1139.	1.9	96
70	Increased Very Low Density Lipoprotein Secretion and Gonadal Fat Mass in Mice Overexpressing Liver DGAT1. Journal of Biological Chemistry, 2005, 280, 21506-21514.	1.6	121
71	Effects of fish oil feeding and fasting on LXRÎ±/RXRÎ± binding to LXRE in the SREBP-1c promoter in mouse liver. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1736, 77-86.	1.2	12
72	Skeletal Muscle FOXO1 (FKHR) Transgenic Mice Have Less Skeletal Muscle Mass, Down-regulated Type I (Slow Twitch/Red Muscle) Fiber Genes, and Impaired Glycemic Control. Journal of Biological Chemistry, 2004, 279, 41114-41123.	1.6	488

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73	Nuclear factor 1 regulates adipose tissue-specific expression in the mouse GLUT4 gene. Biochemical and Biophysical Research Communications, 2004, 325, 812-818.	1.0	12
74	Sterol-mediated regulation of hormone-sensitive lipase in 3T3-L1 adipocytes. Lipids, 2003, 38, 743-750.	0.7	2
75	Regulatory sequence elements of mouse GLUT4 gene expression in adipose tissues. Biochemical and Biophysical Research Communications, 2003, 312, 277-284.	1.0	11
76	A forkhead transcription factor FKHR up-regulates lipoprotein lipase expression in skeletal muscle. FEBS Letters, 2003, 536, 232-236.	1.3	116
77	Overexpression of Peroxisome Proliferator-activated Receptor Î³ Coactivator-1Î± Down-regulates GLUT4 mRNA in Skeletal Muscles. Journal of Biological Chemistry, 2003, 278, 31385-31390.	1.6	131
78	Functional Conservation for Lipid Storage Droplet Association among Perilipin, ADRP, and TIP47 (PAT)-related Proteins in Mammals, Drosophila, and Dictyostelium. Journal of Biological Chemistry, 2002, 277, 32253-32257.	1.6	336
79	Mechanism for Peroxisome Proliferator-activated Receptor-Î± Activator-induced Up-regulation of UCP2 mRNA in Rodent Hepatocytes. Journal of Biological Chemistry, 2002, 277, 9562-9569.	1.6	123
80	Up-regulation of SREBP-1c and lipogenic genes in skeletal muscles after exercise training. Biochemical and Biophysical Research Communications, 2002, 296, 395-400.	1.0	85
81	Tea Catechins Prevent the Development of Atherosclerosis in Apoprotein Eâ€“Deficient Mice. Journal of Nutrition, 2001, 131, 27-32.	1.3	272
82	Green tea polyphenols (flavan 3-ols) prevent oxidative modification of low density lipoproteins: an ex vivo study in humans. Journal of Nutritional Biochemistry, 2000, 11, 216-222.	1.9	111
83	Antiatherogenic Effects of Tea Polyphenols (Flavan-3-ols) in Humans and ApoE-Deficient Mice. , 1999, 66, 471-482.		2
84	Antiatherogenic Effects of a Novel Lipoprotein Lipase-Enhancing Agent in Cholesterol-Fed New Zealand White Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 2601-2608.	1.1	40
85	Regulation of Neutral Cholesterol Esterase Activity by Cholesterol in J774 A.1 Macrophages. Annals of the New York Academy of Sciences, 1997, 811, 471-479.	1.8	2
86	Cholesterol-Mediated Changes of Neutral Cholesterol Esterase Activity in Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 3033-3040.	1.1	16
87	Inhibition of cholesterylester accumulation by 17Î²-estradiol in macrophages through activation of neutral cholesterol esterase. Lipids and Lipid Metabolism, 1996, 1300, 210-218.	2.6	28
88	Effects of Various Natural Antioxidants on the Cu2+-Mediated Oxidative Modification of Low Density Lipoprotein.. Biological and Pharmaceutical Bulletin, 1995, 18, 1-4.	0.6	146
89	The Inhibitory Effects of Tea Polyphenols (Flavan-3-ol Derivatives) on Cu2+ Mediated Oxidative Modification of Low Density Lipoprotein.. Biological and Pharmaceutical Bulletin, 1994, 17, 1567-1572.	0.6	161
90	Studies on the Determination of Î±, Î²-Unsaturated Aldehydes and Their Toxicity. Japanese Journal of Toxicology and Environmental Health, 1992, 38, P1-P1.	0.1	0

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91	2-Alkenal as a Precursor of Thiobarbituric acid Reactive Substance: Oxidation of 2-Alkenal by Active Oxygen and Hydroperoxide.. Japanese Journal of Toxicology and Environmental Health, 1991, 37, 211-217.	0.1	0
92	High-Performance Liquid Chromatographic Determination of 2-Alkenals in Oxidized Lipid as Their 7-Amino-6-methylquinoline Derivatives.. Chemical and Pharmaceutical Bulletin, 1991, 39, 1253-1257.	0.6	6
93	Determination of Î±, Î²-Unsaturated Aldehydes in Oxidized Lipid by a 2, 4-Diaminotoluene (DAT) Fluorescence Method as a new Evaluation Method for Lipid Oxidation. Shokuhin Eiseigaku Zasshi Journal of the Food Hygienic Society of Japan, 1990, 31, 508-512_1.	0.1	1