

# Yasuko Manabe

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,833  
citations

361413

20  
h-index

265206

42  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet and exercise signals regulate SIRT3 and activate AMPK and PGC-1 $\beta$ in skeletal muscle. <i>Aging</i> , 2009, 1, 771-783.	3.1	428
2	Efficient and Reproducible Myogenic Differentiation from Human iPS Cells: Prospects for Modeling Miyoshi Myopathy In Vitro. <i>PLoS ONE</i> , 2013, 8, e61540.	2.5	188
3	Adrenaline is a critical mediator of acute exercise-induced AMP-activated protein kinase activation in adipocytes. <i>Biochemical Journal</i> , 2007, 403, 473-481.	3.7	103
4	Ablation of AMP-Activated Protein Kinase $\alpha$ 2 Activity Exacerbates Insulin Resistance Induced by High-Fat Feeding of Mice. <i>Diabetes</i> , 2008, 57, 2958-2966.	0.6	102
5	Early pathogenesis of Duchenne muscular dystrophy modelled in patient-derived human induced pluripotent stem cells. <i>Scientific Reports</i> , 2015, 5, 12831.	3.3	99
6	Characterization of an Acute Muscle Contraction Model Using Cultured C2C12 Myotubes. <i>PLoS ONE</i> , 2012, 7, e52592.	2.5	87
7	Lipidomics analysis revealed the phospholipid compositional changes in muscle by chronic exercise and high-fat diet. <i>Scientific Reports</i> , 2013, 3, 3267.	3.3	77
8	Transforming growth factor-beta activated during exercise in brain depresses spontaneous motor activity of animals. Relevance to central fatigue. <i>Brain Research</i> , 1999, 846, 145-153.	2.2	53
9	Visualization of dynamic change in contraction-induced lipid composition in mouse skeletal muscle by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1863-1871.	3.7	43
10	The palatability of corn oil and linoleic acid to mice as measured by short-term two-bottle choice and licking tests. <i>Physiology and Behavior</i> , 2007, 91, 304-309.	2.1	42
11	Evidence for acute contraction-induced myokine secretion by C2C12 myotubes. <i>PLoS ONE</i> , 2018, 13, e0206146.	2.5	42
12	Long-term optional ingestion of corn oil induces excessive caloric intake and obesity in mice. <i>Nutrition</i> , 2001, 17, 117-120.	2.4	32
13	Redox proteins are constitutively secreted by skeletal muscle. <i>Journal of Physiological Sciences</i> , 2014, 64, 401-409.	2.1	32
14	S-Adenosylmethionine (SAM)-Accumulating Sake Yeast Suppresses Acute Alcohol-Induced Liver Injury in Mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 2982-2989.	1.3	30
15	Exercise training-induced adaptations associated with increases in skeletal muscle glycogen content. <i>FEBS Journal</i> , 2013, 280, 916-926.	4.7	29
16	Excess Glucose Impedes the Proliferation of Skeletal Muscle Satellite Cells Under Adherent Culture Conditions. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 640399.	3.7	29
17	Preference for dietary fat induced by release of beta-endorphin in rats. <i>Life Sciences</i> , 2009, 84, 760-765.	4.3	25
18	Reinforcing effect for corn oil stimulus was concentration dependent in an operant task in mice. <i>Life Sciences</i> , 2007, 81, 1585-1592.	4.3	24

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19	Imaging mass spectrometry reveals fiber-specific distribution of acetylcarnitine and contraction-induced carnitine dynamics in rat skeletal muscles. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1699-1706.	1.0	24
20	Mercaptoacetate inhibition of fatty acid $\beta$ -oxidation attenuates the oral acceptance of fat in BALB/c mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R82-R91.	1.8	22
21	Effect of diazepam binding inhibitor (DBI) on the fluid intake, preference and the taste reactivity in mice. <i>Behavioural Brain Research</i> , 2001, 126, 197-204.	2.2	17
22	Contribution of gustation to the palatability of linoleic acid. <i>Physiology and Behavior</i> , 2009, 96, 142-148.	2.1	17
23	Macrophage migration inhibitory factor diminishes muscle glucose transport induced by insulin and AICAR in a muscle type-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2014, 444, 496-501.	2.1	17
24	Dammarane-type triterpene extracts of <i>Panax notoginseng</i> root ameliorates hyperglycemia and insulin sensitivity by enhancing glucose uptake in skeletal muscle. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 335-342.	1.3	17
25	Intragastric infusion of glucose enhances the rewarding effect of sorbitol fatty acid ester ingestion as measured by conditioned place preference in mice. <i>Physiology and Behavior</i> , 2010, 99, 509-514.	2.1	16
26	Chronic exercise enhances insulin secretion ability of pancreatic islets without change in insulin content in non-diabetic rats. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 676-682.	2.1	16
27	Trans-omic Analysis Reveals ROS-Dependent Pentose Phosphate Pathway Activation after High-Frequency Electrical Stimulation in C2C12 Myotubes. <i>IScience</i> , 2020, 23, 101558.	4.1	16
28	Release of a Substance that Suppresses Spontaneous Motor Activity in the Brain by Physical Exercise. <i>Physiology and Behavior</i> , 1998, 64, 185-190.	2.1	15
29	Evaluation of an <i>in vitro</i> muscle contraction model in mouse primary cultured myotubes. <i>Analytical Biochemistry</i> , 2016, 497, 36-38.	2.4	15
30	Sake Yeast Suppresses Acute Alcohol-Induced Liver Injury in Mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 2488-2493.	1.3	14
31	Effect of antioxidant supplementation on skeletal muscle and metabolic profile in aging mice. <i>Food and Function</i> , 2021, 12, 825-833.	4.6	14
32	Assessing palatability of long-chain fatty acids from the licking behavior of BALB/c mice. <i>Physiology and Behavior</i> , 2009, 96, 735-741.	2.1	12
33	Single-Cell Information Analysis Reveals That Skeletal Muscles Incorporate Cell-to-Cell Variability as Information Not Noise. <i>Cell Reports</i> , 2020, 32, 108051.	6.4	12
34	Behavioral palatability of dietary fatty acids correlates with the intracellular calcium ion levels induced by the fatty acids in GPR120-expressing cells. <i>Biomedical Research</i> , 2014, 35, 357-367.	0.9	11
35	Effect of treatment with conditioned media derived from C2C12 myotube on adipogenesis and lipolysis in 3T3-L1 adipocytes. <i>PLoS ONE</i> , 2020, 15, e0237095.	2.5	11
36	Relationship between the Preference for Sake (Japanese rice wine) and the Movements of Metabolic Parameters Coinciding with Sake Intake. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 796-802.	1.3	10

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37	Increase in Spontaneous Locomotive Activity in Rats Fed Diets Containing Sake Lees or Sake Yeast. Food Science and Technology Research, 2004, 10, 300-302.	0.6	10
38	Increased Systemic Glucose Tolerance with Increased Muscle Glucose Uptake in Transgenic Mice Overexpressing RXR $\beta$ in Skeletal Muscle. PLoS ONE, 2011, 6, e20467.	2.5	10
39	Hydra biological detection of biologically active peptides in rat cerebrospinal fluid. Brain Research Protocols, 2000, 5, 312-317.	1.6	9
40	Myokines: Do they really exist?. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 51-58.	0.3	9
41	R3hdml regulates satellite cell proliferation and differentiation. EMBO Reports, 2019, 20, e47957.	4.5	9
42	Diazepam-binding Inhibitor-like Activity in Rat Cerebrospinal Fluid after Stimulation by an Aversive Quinine Taste. Chemical Senses, 2000, 25, 739-746.	2.0	7
43	An improved glucose transport assay system for isolated mouse skeletal muscle tissues. Bioscience, Biotechnology and Biochemistry, 2016, 80, 2224-2230.	1.3	6
44	A fragmented form of annexin A1 is secreted from C2C12 myotubes by electric pulse-induced contraction. Molecular and Cellular Biochemistry, 2016, 411, 173-180.	3.1	6
45	A new in vitro muscle contraction model and its application for analysis of mTORC1 signaling in combination with contraction and beta-hydroxy-beta-methylbutyrate administration. Bioscience, Biotechnology and Biochemistry, 2019, 83, 1851-1857.	1.3	5
46	Aversive Sensation in the Brain after Eating Unpalatable Food.. Journal of Nutritional Science and Vitaminology, 2002, 48, 81-88.	0.6	4
47	Monitoring and mathematical modeling of mitochondrial ATP in myotubes at single cell level reveals two distinct population with different kinetics. Quantitative Biology, 2020, 8, 228-237.	0.5	4
48	Preference for High-Fat Food in Animals. Frontiers in Neuroscience, 2009, , 243-264.	0.0	4
49	Experimental research models for skeletal muscle contraction. The Journal of Physical Fitness and Sports Medicine, 2016, 5, 373-377.	0.3	3
50	Mass spectrometry imaging reveals local metabolic changes in skeletal muscle due to chronic training. Bioscience, Biotechnology and Biochemistry, 2022, , .	1.3	2
51	Mechanisms underlying alterations in glucose metabolism due to exercise. The Journal of Physical Fitness and Sports Medicine, 2014, 3, 423-427.	0.3	1
52	Role of satellite cells in skeletal muscle plasticity: Beyond muscle regeneration. The Journal of Physical Fitness and Sports Medicine, 2017, 6, 89-93.	0.3	1
53	Effects of Sake Components on Physiological Preference and Blood Glucose Level Coinciding with Sake Intake in Mice. Journal of the Brewing Society of Japan, 2011, 106, 675-686.	0.3	0
54	Effect of Chronic Muscle Contraction on Endurance Training Associated Protein Expression in Mouse Primary Cultured Myotubes. Juntendo Medical Journal, 2018, 64, 83-84.	0.1	0

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55	Beta-hydroxy-beta-methylbutyrate (HMB) augments muscle contraction-induced protein synthesis via mTORC1 signaling in cultured L6 myotubes. FASEB Journal, 2018, 32, 768.1.	0.5	0
56	Effect of chronic muscle contraction on expression of contractile and metabolic proteins in mouse primary cultured myotubes. The Journal of Physical Fitness and Sports Medicine, 2022, 11, 51-56.	0.3	0