

# Takeshi Hashimoto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9072865/publications.pdf>

Version: 2024-02-01

45  
papers

1,879  
citations

361413

20  
h-index

265206

42  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lactate sensitive transcription factor network in L6 cells: activation of MCT1 and mitochondrial biogenesis. <i>FASEB Journal</i> , 2007, 21, 2602-2612.	0.5	351
2	Colocalization of MCT1, CD147, and LDH in mitochondrial inner membrane of L6 muscle cells: evidence of a mitochondrial lactate oxidation complex. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E1237-E1244.	3.5	191
3	Evidence for the Mitochondrial Lactate Oxidation Complex in Rat Neurons: Demonstration of an Essential Component of Brain Lactate Shuttles. <i>PLoS ONE</i> , 2008, 3, e2915.	2.5	157
4	Greater impact of acute high-intensity interval exercise on post-exercise executive function compared to moderate-intensity continuous exercise. <i>Physiology and Behavior</i> , 2016, 155, 224-230.	2.1	144
5	Mitochondrial Lactate Oxidation Complex and an Adaptive Role for Lactate Production. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 486-494.	0.4	127
6	Maintained exercise-enhanced brain executive function related to cerebral lactate metabolism in men. <i>FASEB Journal</i> , 2018, 32, 1417-1427.	0.5	91
7	The effect of changes in cerebral blood flow on cognitive function during exercise. <i>Physiological Reports</i> , 2014, 2, e12163.	1.7	81
8	Immunohistochemical analysis of MCT1, MCT2 and MCT4 expression in rat plantaris muscle. <i>Journal of Physiology</i> , 2005, 567, 121-129.	2.9	79
9	Mixed lactate and caffeine compound increases satellite cell activity and anabolic signals for muscle hypertrophy. <i>Journal of Applied Physiology</i> , 2015, 118, 742-749.	2.5	68
10	Active involvement of micro-lipid droplets and lipid-droplet-associated proteins in hormone-stimulated lipolysis in adipocytes. <i>Journal of Cell Science</i> , 2012, 125, 6127-6136.	2.0	60
11	Repeated high-intensity interval exercise shortens the positive effect on executive function during post-exercise recovery in healthy young males. <i>Physiology and Behavior</i> , 2016, 160, 26-34.	2.1	55
12	Protective and therapeutic effects of fucoxanthin against sunburn caused by UV irradiation. <i>Journal of Pharmacological Sciences</i> , 2016, 132, 55-64.	2.5	53
13	Effect of Exercise Intensity and Duration on Postexercise Executive Function. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 774-784.	0.4	48
14	Effect of Exercise on Brain Health: The Potential Role of Lactate as a Myokine. <i>Metabolites</i> , 2021, 11, 813.	2.9	39
15	Muscle Stiffness of the Vastus Lateralis in Sprinters and Long-Distance Runners. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2080-2087.	0.4	38
16	Exercise-inducible factors to activate lipolysis in adipocytes. <i>Journal of Applied Physiology</i> , 2013, 115, 260-267.	2.5	32
17	An acute bout of localized resistance exercise can rapidly improve inhibitory control. <i>PLoS ONE</i> , 2017, 12, e0184075.	2.5	32
18	Expression of MHC- $\beta^2$ and MCT1 in cardiac muscle after exercise training in myocardial-infarcted rats. <i>Journal of Applied Physiology</i> , 2004, 97, 843-851.	2.5	25

#	ARTICLE	IF	CITATIONS
19	Moderate hypoxia promotes skeletal muscle cell growth and hypertrophy in C2C12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 921-927.	2.1	24
20	Dehydroepiandrosterone activates AMP kinase and regulates GLUT4 and PGC-1 $\alpha$ expression in C2C12 myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 42-47.	2.1	20
21	Flavanol-rich cocoa consumption enhances exercise-induced executive function improvements in humans. <i>Nutrition</i> , 2018, 46, 90-96.	2.4	18
22	Alterations in the expression of myosin heavy chain isoforms in hypoxia-induced hypertrophied ventricles in rats. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 136, 139-145.	1.6	11
23	A lactate-based compound containing caffeine in addition to voluntary running exercise decreases subcutaneous fat mass and improves glucose metabolism in obese rats. <i>Journal of Functional Foods</i> , 2019, 56, 84-91.	3.4	11
24	Fucoxanthinol attenuates oxidative stress-induced atrophy and loss in myotubes and reduces the triacylglycerol content in mature adipocytes. <i>Molecular Biology Reports</i> , 2020, 47, 2703-2711.	2.3	11
25	Self-selected music-induced reduction of perceived exertion during moderate-intensity exercise does not interfere with post-exercise improvements in inhibitory control. <i>Physiology and Behavior</i> , 2018, 194, 170-176.	2.1	10
26	Work volume is an important variable in determining the degree of inhibitory control improvements following resistance exercise. <i>Physiological Reports</i> , 2020, 8, e14527.	1.7	9
27	Effects of Fucoxanthin on the Inhibition of Dexamethasone-Induced Skeletal Muscle Loss in Mice. <i>Nutrients</i> , 2021, 13, 1079.	4.1	8
28	Effect of repeated bouts versus a single bout of moderate-intensity exercise on postexercise inhibitory control. <i>Physiological Reports</i> , 2020, 8, e14528.	1.7	7
29	Cell and tissue system capable of automated culture, stimulation, and monitor with the aim of feedback control of organs-on-a-chip. <i>Scientific Reports</i> , 2021, 11, 2999.	3.3	7
30	Caffeine increases myoglobin expression via the cyclic AMP pathway in L6 myotubes. <i>Physiological Reports</i> , 2021, 9, e14869.	1.7	7
31	Dehydroepiandrosterone activates 5 $\alpha$ -adenosine monophosphate-activated protein kinase and suppresses lipid accumulation and adipocyte differentiation in 3T3-L1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 612-619.	2.1	6
32	Effect of very low-intensity resistance exercise with slow movement and tonic force generation on post-exercise inhibitory control. <i>Heliyon</i> , 2021, 7, e06261.	3.2	6
33	Similar improvements in cognitive inhibitory control following low-intensity resistance exercise with slow movement and tonic force generation and high-intensity resistance exercise in healthy young adults: a preliminary study. <i>Journal of Physiological Sciences</i> , 2021, 71, 22.	2.1	6
34	Characteristics of the Passive Muscle Stiffness of the Vastus Lateralis: A Feasibility Study to Assess Muscle Fibrosis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8947.	2.6	6
35	Effects of exogenous lactate administration on fat metabolism and glycogen synthesis factors in rats. <i>Journal of Exercise Nutrition &amp; Biochemistry</i> , 2020, 24, 1-5.	1.3	6
36	Effects of Maca on Muscle Hypertrophy in C2C12 Skeletal Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6825.	4.1	6

#	ARTICLE	IF	CITATIONS
37	Hypoxia-Induced Adaptational Shift in MHC- $\hat{I}^2$ Isoform Expression in Rat Ventricles. <i>The Japanese Journal of Physiology</i> , 2005, 55, 109-115.	0.9	5
38	The effect of <i>eleutherococcus senticosus</i> on metabolism-associated protein expression in 3T3-L1 and C2C12 cells. <i>Physical Activity and Nutrition</i> , 2020, 24, 13-18.	0.8	5
39	Investigation of Brain Function-Related Myokine Secretion by Using Contractile 3D-Engineered Muscle. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5723.	4.1	4
40	Effects of Quercetin Glycoside Supplementation Combined With Low-Intensity Resistance Training on Muscle Quantity and Stiffness: A Randomized, Controlled Trial. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	4
41	Similar improvements in inhibitory control following low-volume high-intensity interval exercise and moderate-intensity continuous exercise. <i>Psychology of Sport and Exercise</i> , 2020, 51, 101791.	2.1	3
42	Impact of Inter-Set Short Rest Interval Length on Inhibitory Control Improvements Following Low-Intensity Resistance Exercise in Healthy Young Males. <i>Frontiers in Physiology</i> , 2021, 12, 741966.	2.8	3
43	Mechanical unloading of 3D-engineered muscle leads to muscle atrophy by suppressing protein synthesis. <i>Journal of Applied Physiology</i> , 2022, 132, 1091-1103.	2.5	3
44	Myosin heavy chain isoforms expression and cyclic AMP concentrations in hypoxia-induced hypertrophied right ventricle in rats. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 138, 365-370.	1.6	2
45	Evidence of a mitochondrial lactate oxidation complex at mitochondrial inner membrane in mammalian skeletal muscle cells. <i>FASEB Journal</i> , 2006, 20, A816.	0.5	0