

Nobuharu L Fujii

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,177
citations

471509

17
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of TBC1D1 as an Insulin-, AICAR-, and Contraction-stimulated Signaling Nexus in Mouse Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2008, 283, 9787-9796.	3.4	211
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	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
4	Characterization of an Acute Muscle Contraction Model Using Cultured C2C12 Myotubes. <i>PLoS ONE</i> , 2012, 7, e52592.	2.5	87
5	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
6	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
7	Evidence for acute contraction-induced myokine secretion by C2C12 myotubes. <i>PLoS ONE</i> , 2018, 13, e0206146.	2.5	42
8	Loop diuretics affect skeletal myoblast differentiation and exercise-induced muscle hypertrophy. <i>Scientific Reports</i> , 2017, 7, 46369.	3.3	39
9	Redox proteins are constitutively secreted by skeletal muscle. <i>Journal of Physiological Sciences</i> , 2014, 64, 401-409.	2.1	32
10	Adjusting the 17 β -Estradiol-to-Androgen Ratio Ameliorates Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3035-3050.	6.1	30
11	Exercise training-induced adaptations associated with increases in skeletal muscle glycogen content. <i>FEBS Journal</i> , 2013, 280, 916-926.	4.7	29
12	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
13	Effects of 17 β -Estradiol and Androgen on Glucose Metabolism in Skeletal Muscle. <i>Endocrinology</i> , 2016, 157, 4691-4705.	2.8	27
14	Reduced Dnmt3a increases Gdf5 expression with suppressed satellite cell differentiation and impaired skeletal muscle regeneration. <i>FASEB Journal</i> , 2018, 32, 1452-1467.	0.5	26
15	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
16	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
17	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
18	Characterization of myofiber-type-specific molecules using mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 185-192.	1.5	17

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19	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
20	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
21	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
22	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
23	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
24	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
25	Increased Systemic Glucose Tolerance with Increased Muscle Glucose Uptake in Transgenic Mice Overexpressing RXR α 3 in Skeletal Muscle. <i>PLoS ONE</i> , 2011, 6, e20467.	2.5	10
26	R3hdml regulates satellite cell proliferation and differentiation. <i>EMBO Reports</i> , 2019, 20, e47957.	4.5	9
27	An improved glucose transport assay system for isolated mouse skeletal muscle tissues. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 2224-2230.	1.3	6
28	A fragmented form of annexin A1 is secreted from C2C12 myotubes by electric pulse-induced contraction. <i>Molecular and Cellular Biochemistry</i> , 2016, 411, 173-180.	3.1	6
29	A new <i>in vitro</i> muscle contraction model and its application for analysis of mTORC1 signaling in combination with contraction and beta-hydroxy-beta-methylbutyrate administration. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1851-1857.	1.3	5
30	Mechanism of satellite cell regulation by myokines. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2017, 6, 311-316.	0.3	4
31	Monitoring and mathematical modeling of mitochondrial ATP in myotubes at single-cell level reveals two distinct population with different kinetics. <i>Quantitative Biology</i> , 2020, 8, 228-237.	0.5	4
32	Role of carnitine acetylation in skeletal muscle. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2014, 3, 163-168.	0.3	4
33	Experimental research models for skeletal muscle contraction. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2016, 5, 373-377.	0.3	3
34	Mass spectrometry imaging reveals local metabolic changes in skeletal muscle due to chronic training. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, , .	1.3	2
35	Role of satellite cells in skeletal muscle plasticity: Beyond muscle regeneration. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2017, 6, 89-93.	0.3	1
36	Visualization of lipids in skeletal muscles by mass spectrometry imaging. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2017, 6, 209-213.	0.3	0

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37	Visualization of metabolite change in skeletal muscle by contraction using imaging mass spectrometry. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2012, 1, 347-350.	0.3	0
38	Effect of Chronic Muscle Contraction on Endurance Training Associated Protein Expression in Mouse Primary Cultured Myotubes. <i>Juntendo Medical Journal</i> , 2018, 64, 83-84.	0.1	0
39	Beta-hydroxy-beta-methylbutyrate (HMB) augments muscle contraction-induced protein synthesis via mTORC1 signaling in cultured L6 myotubes. <i>FASEB Journal</i> , 2018, 32, 768.1.	0.5	0
40	Effect of chronic muscle contraction on expression of contractile and metabolic proteins in mouse primary cultured myotubes. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2022, 11, 51-56.	0.3	0