

Yusuke Ono

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,942
citations

257450

24
h-index

265206

42
g-index

59
all docs

59
docs citations

59
times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscle satellite cells are a functionally heterogeneous population in both somite-derived and branchiomeric muscles. <i>Developmental Biology</i> , 2010, 337, 29-41.	2.0	177
2	BMP signalling permits population expansion by preventing premature myogenic differentiation in muscle satellite cells. <i>Cell Death and Differentiation</i> , 2011, 18, 222-234.	11.2	156
3	Further Characterisation of the Molecular Signature of Quiescent and Activated Mouse Muscle Satellite Cells. <i>PLoS ONE</i> , 2009, 4, e5205.	2.5	151
4	Estrogens maintain skeletal muscle and satellite cell functions. <i>Journal of Endocrinology</i> , 2016, 229, 267-275.	2.6	107
5	Slow-dividing satellite cells retain long-term self-renewal ability in adult muscle. <i>Journal of Cell Science</i> , 2012, 125, 1309-1317.	2.0	92
6	Potency of umbilical cord blood- and Wharton's jelly-derived mesenchymal stem cells for scarless wound healing. <i>Scientific Reports</i> , 2016, 6, 18844.	3.3	80
7	Notch1 and Notch2 Coordinately Regulate Stem Cell Function in the Quiescent and Activated States of Muscle Satellite Cells. <i>Stem Cells</i> , 2018, 36, 278-285.	3.2	76
8	Metabolomic Analysis of Skeletal Muscle in Aged Mice. <i>Scientific Reports</i> , 2019, 9, 10425.	3.3	76
9	β -catenin promotes self-renewal of skeletal-muscle satellite cells. <i>Journal of Cell Science</i> , 2008, 121, 1373-1382.	2.0	59
10	Muscle Stem Cell Fate Is Controlled by the Cell-Polarity Protein Scrib. <i>Cell Reports</i> , 2015, 10, 1135-1148.	6.4	58
11	Six family genes control the proliferation and differentiation of muscle satellite cells. <i>Experimental Cell Research</i> , 2010, 316, 2932-2944.	2.6	56
12	Notch2 negatively regulates myofibroblastic differentiation of myoblasts. <i>Journal of Cellular Physiology</i> , 2007, 210, 358-369.	4.1	55
13	The Ubiquitin-Proteasome System Is Indispensable for the Maintenance of Muscle Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 1523-1538.	4.8	54
14	Knockdown of hypoxia-inducible factor-1 α by siRNA inhibits C2C12 myoblast differentiation. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 642-649.	2.6	41
15	Estrogen Receptor β Controls Muscle Growth and Regeneration in Young Female Mice. <i>Stem Cell Reports</i> , 2020, 15, 577-586.	4.8	40
16	β -Crystallin controls muscle function through thyroid hormone action. <i>FASEB Journal</i> , 2016, 30, 1733-1740.	0.5	36
17	Damaged Myofiber-Derived Metabolic Enzymes Act as Activators of Muscle Satellite Cells. <i>Stem Cell Reports</i> , 2020, 15, 926-940.	4.8	33
18	Placental extract protects bone marrow-derived stem/progenitor cells against radiation injury through anti-inflammatory activity. <i>Journal of Radiation Research</i> , 2013, 54, 268-276.	1.6	31

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19	Culture under low physiological oxygen conditions improves the stemness and quality of induced pluripotent stem cells. <i>Journal of Cellular Physiology</i> , 2013, 228, 2159-2166.	4.1	30
20	The transcriptional co-repressor TLE3 regulates myogenic differentiation by repressing the activity of the MyoD transcription factor. <i>Journal of Biological Chemistry</i> , 2017, 292, 12885-12894.	3.4	30
21	Sensitivity and dose dependency of radiation-induced injury in hematopoietic stem/progenitor cells in mice. <i>Scientific Reports</i> , 2015, 5, 8055.	3.3	29
22	Presenilin-1 acts via Id1 to regulate the function of muscle satellite cells in a β -secretase-independent manner. <i>Journal of Cell Science</i> , 2009, 122, 4427-4438.	2.0	27
23	Suppression of BMP-Smad Signaling Axis-Induced Osteoblastic Differentiation by Small C-terminal Domain Phosphatase 1, a Smad Phosphatase. <i>Molecular Endocrinology</i> , 2011, 25, 474-481.	3.7	27
24	Acute stress-induced colonic tissue HSP70 expression requires commensal bacterial components and intrinsic glucocorticoid. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 108-115.	4.1	26
25	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
26	Estrogen deficiency heterogeneously affects tissue specific stem cells in mice. <i>Scientific Reports</i> , 2015, 5, 12861.	3.3	25
27	Visualization of PAX7 protein dynamics in muscle satellite cells in a YFP knock-in-mouse line. <i>Skeletal Muscle</i> , 2018, 8, 26.	4.2	25
28	Histone H3.3 sub-variant H3mm7 is required for normal skeletal muscle regeneration. <i>Nature Communications</i> , 2018, 9, 1400.	12.8	23
29	Zmynd17 controls muscle mitochondrial quality and whole-body metabolism. <i>FASEB Journal</i> , 2018, 32, 5012-5025.	0.5	23
30	Hoxa10 mediates positional memory to govern stem cell function in adult skeletal muscle. <i>Science Advances</i> , 2021, 7, .	10.3	21
31	A Modified Pre-plating Method for High-Yield and High-Purity Muscle Stem Cell Isolation From Human/Mouse Skeletal Muscle Tissues. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 793.	3.7	20
32	Decreased muscle atrophy F-box (MAFbx) expression in regenerating muscle after muscle-damaging exercise. <i>Muscle and Nerve</i> , 2008, 38, 1246-1253.	2.2	19
33	Nicaraven Attenuates Radiation-Induced Injury in Hematopoietic Stem/Progenitor Cells in Mice. <i>PLoS ONE</i> , 2013, 8, e60023.	2.5	19
34	Effects of antioxidants on the quality and genomic stability of induced pluripotent stem cells. <i>Scientific Reports</i> , 2014, 4, 3779.	3.3	18
35	Time- and dose-dependent effects of total-body ionizing radiation on muscle stem cells. <i>Physiological Reports</i> , 2015, 3, e12377.	1.7	16
36	FOXO1 delays skeletal muscle regeneration and suppresses myoblast proliferation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1531-1535.	1.3	16

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37	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
38	The endothelial Dll4-Notch2 axis regulates skeletal muscle mass. <i>Nature Metabolism</i> , 2022, 4, 180-189.	11.9	15
39	The potential benefits of nicaraven to protect against radiation-induced injury in hematopoietic stem/progenitor cells with relative low dose exposures. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 548-553.	2.1	14
40	Increased expression of PHD3 represses the HIF-1 signaling pathway and contributes to poor neovascularization in pancreatic ductal adenocarcinoma. <i>Journal of Gastroenterology</i> , 2015, 50, 975-983.	5.1	14
41	The body region specificity in murine models of muscle regeneration and atrophy. <i>Acta Physiologica</i> , 2021, 231, e13553.	3.8	14
42	Visualizing the Functional Heterogeneity of Muscle Stem Cells. <i>Methods in Molecular Biology</i> , 2016, 1516, 183-193.	0.9	12
43	Distinct Roles of Zmynd17 and PGC1 α in Mitochondrial Quality Control and Biogenesis in Skeletal Muscle. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 330.	3.7	8
44	Inducible Rpt3, a Proteasome Component, Knockout in Adult Skeletal Muscle Results in Muscle Atrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 859.	3.7	8
45	Enhanced Nox1 expression and oxidative stress resistance in c-kit-positive hematopoietic stem/progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 376-380.	2.1	7
46	Prenatal myonuclei play a crucial role in skeletal muscle hypertrophy in rodents. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C233-C243.	4.6	6
47	Soy milk Improves Muscle Weakness in Young Ovariectomized Female Mice. <i>Nutrients</i> , 2017, 9, 834.	4.1	6
48	Satellite cell heterogeneity and hierarchy in skeletal muscle. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2014, 3, 229-234.	0.3	6
49	Sex differences in metabolic pathways are regulated by Pfkfb3 and Pdk4 expression in rodent muscle. <i>Communications Biology</i> , 2021, 4, 1264.	4.4	6
50	Uhrf1 governs the proliferation and differentiation of muscle satellite cells. <i>iScience</i> , 2022, 25, 103928.	4.1	4
51	Notch signaling in the regulation of skeletal muscle stem cells. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2018, 7, 213-219.	0.3	2
52	Scribble dictates orderly stem cell fate. <i>Oncotarget</i> , 2015, 6, 18738-18739.	1.8	1
53	An <i>in vitro</i> Mechanical Damage Model of Isolated Myofibers in a Floating Culture Condition. <i>Bio-protocol</i> , 2022, 12, e4280.	0.4	1
54	eIF2 α , a potential target for stem cell-based therapies. <i>Stem Cell Investigation</i> , 2016, 3, 30-30.	3.0	0

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55	Functional heterogeneity of muscle satellite cells in both somite-derived and branchiomeric muscles. FASEB Journal, 2010, 24, 824.6.	0.5	0
56	Slow-dividing satellite cells retain long-term self-renewal ability in adult muscle. Development (Cambridge), 2012, 139, e707-e707.	2.5	0