

Atsushi Asakura

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

3,855
citations

26
h-index

62
g-index

80
ext. papers

4,282
ext. citations

6
avg, IF

5.32
L-index

#	Paper	IF	Citations
64	Fine-Tuning of Piezo1 Expression and Activity Ensures Efficient Myoblast Fusion during Skeletal Myogenesis.. <i>Cells</i> , 2022 , 11,	7.9	3
63	The endothelial Dll4-muscular Notch2 axis regulates skeletal muscle mass.. <i>Nature Metabolism</i> , 2022 , 4, 180-189	14.6	1
62	Per1/Per2-Igf2 axis-mediated circadian regulation of myogenic differentiation. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	4
61	VEGFR-1/Flt-1 inhibition increases angiogenesis and improves muscle function in a mouse model of Duchenne muscular dystrophy. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021 , 21, 369-381	6.4	1
60	Transcriptional and cytopathological hallmarks of FSHD in chronic DUX4-expressing mice. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2465-2477	15.9	19
59	Inhibition of microRNA-92a increases blood vessels and satellite cells in skeletal muscle but does not improve duchenne muscular dystrophy-related phenotype in mdx mice. <i>Muscle and Nerve</i> , 2019 , 59, 594-602	3.4	5
58	Increasing myosin light chain 3f (MLC3f) protects against a decline in contractile velocity. <i>PLoS ONE</i> , 2019 , 14, e0214982	3.7	1
57	Tbx1 regulates inherited metabolic and myogenic abilities of progenitor cells derived from slow- and fast-type muscle. <i>Cell Death and Differentiation</i> , 2019 , 26, 1024-1036	12.7	12
56	Interspecies Organogenesis for Human Transplantation. <i>Cell Transplantation</i> , 2019 , 28, 1091-1105	4	9
55	Inhibition of FLT1 ameliorates muscular dystrophy phenotype by increased vasculature in a mouse model of Duchenne muscular dystrophy. <i>PLoS Genetics</i> , 2019 , 15, e1008468	6	7
54	Cry2 Is Critical for Circadian Regulation of Myogenic Differentiation by Bclaf1-Mediated mRNA Stabilization of Cyclin D1 and Tmem176b. <i>Cell Reports</i> , 2018 , 22, 2118-2132	10.6	22
53	Cellular localization of the cell cycle inhibitor Cdkn1c controls growth arrest of adult skeletal muscle stem cells. <i>ELife</i> , 2018 , 7,	8.9	20
52	Promotion of Myoblast Differentiation by Fkbp5 via Cdk4 Isomerization. <i>Cell Reports</i> , 2018 , 25, 2537-2551	10.6	13
51	Muscle Satellite Cell Cross-Talk with a Vascular Niche Maintains Quiescence via VEGF and Notch Signaling. <i>Cell Stem Cell</i> , 2018 , 23, 530-543.e9	18	129
50	Loss of MyoD Promotes Fate Transdifferentiation of Myoblasts Into Brown Adipocytes. <i>EBioMedicine</i> , 2017 , 16, 212-223	8.8	42
49	Spin infection enables efficient gene delivery to muscle stem cells. <i>BioTechniques</i> , 2017 , 63, 72-76	2.5	0
48	An Examination of the Role of Transcriptional and Posttranscriptional Regulation in Rhabdomyosarcoma. <i>Stem Cells International</i> , 2017 , 2017, 2480375	5	3

47	CDK inhibitors for muscle stem cell differentiation and self-renewal. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2017 , 6, 65-74	0.5	3
46	Skeletal Muscle Cell Induction from Pluripotent Stem Cells. <i>Stem Cells International</i> , 2017 , 2017, 1376151	5	39
45	In Utero Stem Cell Transplantation: Potential Therapeutic Application for Muscle Diseases. <i>Stem Cells International</i> , 2017 , 2017, 3027520	5	6
44	Skeletal Muscle Tissue Clearing for LacZ and Fluorescent Reporters, and Immunofluorescence Staining. <i>Methods in Molecular Biology</i> , 2016 , 1460, 129-40	1.4	10
43	Pregnancy-induced amelioration of muscular dystrophy phenotype in mdx mice via muscle membrane stabilization effect of glucocorticoid. <i>PLoS ONE</i> , 2015 , 10, e0120325	3.7	7
42	Isolation, culture, and transplantation of muscle satellite cells. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	60
41	Grand challenges in the field of stem cell research. <i>Frontiers in Cell and Developmental Biology</i> , 2014 , 2, 2	5.7	3
40	Angiogenesis as a novel therapeutic strategy for Duchenne muscular dystrophy through decreased ischemia and increased satellite cells. <i>Frontiers in Physiology</i> , 2014 , 5, 50	4.6	34
39	Muscle satellite cell heterogeneity and self-renewal. <i>Frontiers in Cell and Developmental Biology</i> , 2014 , 2, 1	5.7	120
38	Vascular-targeted therapies for Duchenne muscular dystrophy. <i>Skeletal Muscle</i> , 2013 , 3, 9	5.1	34
37	Myosin light chain 3f attenuates age-induced decline in contractile velocity in MHC type II single muscle fibers. <i>Aging Cell</i> , 2012 , 11, 203-12	9.9	15
36	Constitutive Notch activation upregulates Pax7 and promotes the self-renewal of skeletal muscle satellite cells. <i>Molecular and Cellular Biology</i> , 2012 , 32, 2300-11	4.8	178
35	Increased angiogenesis and improved left ventricular function after transplantation of myoblasts lacking the MyoD gene into infarcted myocardium. <i>PLoS ONE</i> , 2012 , 7, e41736	3.7	9
34	A New Look at an Immortal DNA Hypothesis for Stem Cell Self-Renewal. <i>Journal of Stem Cell Research & Therapy</i> , 2012 , 2,	1	3
33	Skeletal Muscle-derived Hematopoietic Stem Cells: Muscular Dystrophy Therapy by Bone Marrow Transplantation. <i>Journal of Stem Cell Research & Therapy</i> , 2012 , Suppl 11,	1	6
32	Molecular Regulation of Muscle Satellite Cell Self-Renewal. <i>Journal of Stem Cell Research & Therapy</i> , 2012 , Suppl 11,	1	6
31	MyoD gene suppression by Oct4 is required for reprogramming in myoblasts to produce induced pluripotent stem cells. <i>Stem Cells</i> , 2011 , 29, 505-16	5.8	38
30	Efficient single muscle fiber isolation from alcohol-fixed adult muscle following β -galactosidase staining for satellite cell detection. <i>Journal of Histochemistry and Cytochemistry</i> , 2011 , 59, 60-7	3.4	7

29	Increased Myosin Light Chain 3f Content Restores Age-Induced Slowing of Single Skeletal Muscle Fiber Contraction. <i>FASEB Journal</i> , 2011 , 25, 1049.1	0.9	
28	Flt-1 haploinsufficiency ameliorates muscular dystrophy phenotype by developmentally increased vasculature in mdx mice. <i>Human Molecular Genetics</i> , 2010 , 19, 4145-59	5.6	43
27	MyoD regulates apoptosis of myoblasts through microRNA-mediated down-regulation of Pax3. <i>Journal of Cell Biology</i> , 2010 , 191, 347-65	7.3	144
26	Post-mitotic role of nucleostemin as a promoter of skeletal muscle cell differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 299-304	3.4	9
25	Critical role for nucleostemin in protein synthesis and muscle cell differentiation. <i>FASEB Journal</i> , 2008 , 22, 1060.1	0.9	
24	Hematopoietic potential cells in skeletal muscle. <i>Cell Research</i> , 2007 , 17, 836-8	24.7	2
23	Xenotransplantation of long-term-cultured swine bone marrow-derived mesenchymal stem cells. <i>Stem Cells</i> , 2007 , 25, 612-20	5.8	66
22	Resident endothelial precursors in muscle, adipose, and dermis contribute to postnatal vasculogenesis. <i>Stem Cells</i> , 2007 , 25, 3101-10	5.8	74
21	Increased survival of muscle stem cells lacking the MyoD gene after transplantation into regenerating skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16552-7	11.5	90
20	MyoD induces myogenic differentiation through cooperation of its NH ₂ - and COOH-terminal regions. <i>Journal of Cell Biology</i> , 2005 , 171, 471-82	7.3	112
19	Experimental Cell Transplantation for Myocardial Repair 2005 , 427-438		
18	MyoD enhances BMP7-induced osteogenic differentiation of myogenic cell cultures. <i>Journal of Cell Science</i> , 2004 , 117, 1457-68	5.3	21
17	Ste20-like kinase SLK displays myofiber type specificity and is involved in C2C12 myoblast differentiation. <i>Muscle and Nerve</i> , 2004 , 29, 553-64	3.4	18
16	Stem cells in adult skeletal muscle. <i>Trends in Cardiovascular Medicine</i> , 2003 , 13, 123-8	6.9	78
15	Rhabdomyosarcomagenesis-Novel pathway found. <i>Cancer Cell</i> , 2003 , 4, 421-2	24.3	5
14	Side population cells from diverse adult tissues are capable of in vitro hematopoietic differentiation. <i>Experimental Hematology</i> , 2002 , 30, 1339-45	3.1	290
13	Myogenic specification of side population cells in skeletal muscle. <i>Journal of Cell Biology</i> , 2002 , 159, 123-34	7.4	564
12	Cellular and Molecular Mechanisms Regulating Skeletal Muscle Development 2002 , 253-278		3

11	Muscle satellite cells are multipotential stem cells that exhibit myogenic, osteogenic, and adipogenic differentiation. <i>Differentiation</i> , 2001 , 68, 245-53	3.5	629
10	NeuroD2 is necessary for development and survival of central nervous system neurons. <i>Developmental Biology</i> , 2001 , 234, 174-87	3.1	120
9	The potential of muscle stem cells. <i>Developmental Cell</i> , 2001 , 1, 333-42	10.2	199
8	Reduced differentiation potential of primary MyoD ^{-/-} myogenic cells derived from adult skeletal muscle. <i>Journal of Cell Biology</i> , 1999 , 144, 631-43	7.3	268
7	MyoD and Myf-5 define the specification of musculature of distinct embryonic origin. <i>Biochemistry and Cell Biology</i> , 1998 , 76, 1079-1091	3.6	64
6	Apoptosis of epaxial myotome in Danforth's short-tail (Sd) mice in somites that form following notochord degeneration. <i>Developmental Biology</i> , 1998 , 203, 276-89	3.1	32
5	The regulation of MyoD gene expression: conserved elements mediate expression in embryonic axial muscle. <i>Developmental Biology</i> , 1995 , 171, 386-98	3.1	100
4	MyoD and myogenin act on the chicken myosin light-chain 1 gene as distinct transcriptional factors. <i>Molecular and Cellular Biology</i> , 1993 , 13, 7153-62	4.8	39
3	Is Nebulin the Product of Duchenne Muscular Dystrophy Gene?. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1987 , 63, 107-110	4	8
2	Amelioration of muscular dystrophy phenotype in mdx mice by inhibition of Flt1		1
1	Endothelial cell signature in muscle stem cells validated by VEGFA-FLT1-AKT1 axis promoting survival of muscle stem cell		1