

# Atsushi Asakura

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

4,676  
citations

172457

29  
h-index

128289

60  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-Tuning of Piezo1 Expression and Activity Ensures Efficient Myoblast Fusion during Skeletal Myogenesis. <i>Cells</i> , 2022, 11, 393.	4.1	12
2	The endothelial Dll4-Notch2 axis regulates skeletal muscle mass. <i>Nature Metabolism</i> , 2022, 4, 180-189.	11.9	15
3	Editorial: Editor's Pick 2021: Highlights in Stem Cell Research. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 859472.	3.7	0
4	Immunofluorescence analysis of myogenic differentiation. <i>Methods in Cell Biology</i> , 2022, , .	1.1	0
5	Per1/Per2-Igf2 axis-mediated circadian regulation of myogenic differentiation. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	18
6	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.	4.1	9
7	Transcriptional and cytopathological hallmarks of FSHD in chronic DUX4-expressing mice. <i>Journal of Clinical Investigation</i> , 2020, 130, 2465-2477.	8.2	44
8	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.	11.2	23
9	Interspecies Organogenesis for Human Transplantation. <i>Cell Transplantation</i> , 2019, 28, 1091-1105.	2.5	19
10	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.	2.2	7
11	Increasing myosin light chain 3f (MLC3f) protects against a decline in contractile velocity. <i>PLoS ONE</i> , 2019, 14, e0214982.	2.5	1
12	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.	3.5	18
13	Cellular localization of the cell cycle inhibitor Cdkn1c controls growth arrest of adult skeletal muscle stem cells. <i>eLife</i> , 2018, 7, .	6.0	36
14	Promotion of Myoblast Differentiation by Fkbp5 via Cdk4 Isomerization. <i>Cell Reports</i> , 2018, 25, 2537-2551.e8.	6.4	26
15	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.	11.1	223
16	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.	6.4	41
17	Loss of MyoD Promotes Fate Transdifferentiation of Myoblasts Into Brown Adipocytes. <i>EBioMedicine</i> , 2017, 16, 212-223.	6.1	57
18	Skeletal Muscle Cells Generated from Pluripotent Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-2.	2.5	3

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19	Skeletal Muscle Cell Induction from Pluripotent Stem Cells. Stem Cells International, 2017, 2017, 1-16.	2.5	61
20	In Utero Stem Cell Transplantation: Potential Therapeutic Application for Muscle Diseases. Stem Cells International, 2017, 2017, 1-12.	2.5	7
21	Spin infection enables efficient gene delivery to muscle stem cells. BioTechniques, 2017, 63, 72-76.	1.8	4
22	An Examination of the Role of Transcriptional and Posttranscriptional Regulation in Rhabdomyosarcoma. Stem Cells International, 2017, 2017, 1-10.	2.5	4
23	CDK inhibitors for muscle stem cell differentiation and self-renewal. The Journal of Physical Fitness and Sports Medicine, 2017, 6, 65-74.	0.3	7
24	Skeletal Muscle Tissue Clearing for LacZ and Fluorescent Reporters, and Immunofluorescence Staining. Methods in Molecular Biology, 2016, 1460, 129-140.	0.9	11
25	Pregnancy-Induced Amelioration of Muscular Dystrophy Phenotype in mdx Mice via Muscle Membrane Stabilization Effect of Glucocorticoid. PLoS ONE, 2015, 10, e0120325.	2.5	8
26	Grand challenges in the field of stem cell research. Frontiers in Cell and Developmental Biology, 2014, 2, 2.	3.7	4
27	Angiogenesis as a novel therapeutic strategy for Duchenne muscular dystrophy through decreased ischemia and increased satellite cells. Frontiers in Physiology, 2014, 5, 50.	2.8	43
28	Muscle satellite cell heterogeneity and self-renewal. Frontiers in Cell and Developmental Biology, 2014, 2, 1.	3.7	180
29	Isolation, Culture, and Transplantation of Muscle Satellite Cells. Journal of Visualized Experiments, 2014, , .	0.3	72
30	Vascular-targeted therapies for Duchenne muscular dystrophy. Skeletal Muscle, 2013, 3, 9.	4.2	41
31	Constitutive Notch Activation Upregulates Pax7 and Promotes the Self-Renewal of Skeletal Muscle Satellite Cells. Molecular and Cellular Biology, 2012, 32, 2300-2311.	2.3	216
32	Myosin light chain 3f attenuates age-induced decline in contractile velocity in MHC type II single muscle fibers. Aging Cell, 2012, 11, 203-212.	6.7	17
33	Satellite Cells and the Universe of Adult Muscle Stem Cells. Journal of Stem Cell Research & Therapy, 2012, 01, .	0.3	0
34	Increased Angiogenesis and Improved Left Ventricular Function after Transplantation of Myoblasts Lacking the MyoD Gene into Infarcted Myocardium. PLoS ONE, 2012, 7, e41736.	2.5	13
35	A New Look at an Immortal DNA Hypothesis for Stem Cell Self-Renewal. Journal of Stem Cell Research & Therapy, 2012, 02, .	0.3	3
36	Skeletal Muscle-derived Hematopoietic Stem Cells: Muscular Dystrophy Therapy by Bone Marrow Transplantation. Journal of Stem Cell Research & Therapy, 2012, 01, .	0.3	11

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37	Molecular Regulation of Muscle Satellite Cell Self-Renewal. Journal of Stem Cell Research & Therapy, 2012, 01, .	0.3	6
38	<i>MyoD</i> Gene Suppression by Oct4 Is Required for Reprogramming in Myoblasts to Produce Induced Pluripotent Stem Cells. Stem Cells, 2011, 29, 505-516.	3.2	40
39	Efficient Single Muscle Fiber Isolation from Alcohol-Fixed Adult Muscle following $\beta$ -Galactosidase Staining for Satellite Cell Detection. Journal of Histochemistry and Cytochemistry, 2011, 59, 60-67.	2.5	7
40	Increased Myosin Light Chain 3f Content Restores Age-Induced Slowing of Single Skeletal Muscle Fiber Contraction. FASEB Journal, 2011, 25, 1049.1.	0.5	0
41	Flt-1 haploinsufficiency ameliorates muscular dystrophy phenotype by developmentally increased vasculature in mdx mice. Human Molecular Genetics, 2010, 19, 4145-4159.	2.9	49
42	MyoD regulates apoptosis of myoblasts through microRNA-mediated down-regulation of Pax3. Journal of Cell Biology, 2010, 191, 347-365.	5.2	167
43	Post-mitotic role of nucleostemin as a promoter of skeletal muscle cell differentiation. Biochemical and Biophysical Research Communications, 2010, 391, 299-304.	2.1	10
44	Vascular Endothelial Growth Factor Gene Regulation by HEXIM1 in Heart. Circulation Research, 2008, 102, 398-400.	4.5	2
45	Critical role for nucleostemin in protein synthesis and muscle cell differentiation. FASEB Journal, 2008, 22, 1060.1.	0.5	0
46	Stem Cells in Skeletal Muscle Regeneration. , 2008, , 145-175.		0
47	Increased survival of muscle stem cells lacking the <i>MyoD</i> gene after transplantation into regenerating skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16552-16557.	7.1	103
48	Hematopoietic potential cells in skeletal muscle. Cell Research, 2007, 17, 836-838.	12.0	2
49	Xenotransplantation of Long-Term-Cultured Swine Bone Marrow-Derived Mesenchymal Stem Cells. Stem Cells, 2007, 25, 612-620.	3.2	77
50	Resident Endothelial Precursors in Muscle, Adipose, and Dermis Contribute to Postnatal Vasculogenesis. Stem Cells, 2007, 25, 3101-3110.	3.2	77
51	MyoD induces myogenic differentiation through cooperation of its NH <sub>2</sub> - and COOH-terminal regions. Journal of Cell Biology, 2005, 171, 471-482.	5.2	137
52	Experimental Cell Transplantation for Myocardial Repair. , 2005, , 427-438.		0
53	MyoD enhances BMP7-induced osteogenic differentiation of myogenic cell cultures. Journal of Cell Science, 2004, 117, 1457-1468.	2.0	24
54	Ste20-like kinase SLK displays myofiber type specificity and is involved in C2C12 myoblast differentiation. Muscle and Nerve, 2004, 29, 553-564.	2.2	19

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55	Stem Cells in Adult Skeletal Muscle. Trends in Cardiovascular Medicine, 2003, 13, 123-128.	4.9	93
56	Rhabdomyosarcomagenesisâ€”Novel pathway found. Cancer Cell, 2003, 4, 421-422.	16.8	6
57	Myogenic specification of side population cells in skeletal muscle. Journal of Cell Biology, 2002, 159, 123-134.	5.2	618
58	Cellular and Molecular Mechanisms Regulating Skeletal Muscle Development. , 2002, , 253-278.		4
59	Side population cells from diverse adult tissues are capable of in vitro hematopoietic differentiation. Experimental Hematology, 2002, 30, 1339-1345.	0.4	313
60	NeuroD2 Is Necessary for Development and Survival of Central Nervous System Neurons. Developmental Biology, 2001, 234, 174-187.	2.0	149
61	The Potential of Muscle Stem Cells. Developmental Cell, 2001, 1, 333-342.	7.0	220
62	Muscle satellite cells are multipotential stem cells that exhibit myogenic, osteogenic, and adipogenic differentiation. Differentiation, 2001, 68, 245-253.	1.9	718
63	Reduced Differentiation Potential of Primary <i>MyoD</i> Myogenic Cells Derived from Adult Skeletal Muscle. Journal of Cell Biology, 1999, 144, 631-643.	5.2	310
64	MyoD and Myf-5 define the specification of musculature of distinct embryonic origin. Biochemistry and Cell Biology, 1998, 76, 1079-1091.	2.0	68
65	Apoptosis of Epaxial Myotome in Danforth's short-tail (Sd) Mice in Somites That Form Following Notochord Degeneration. Developmental Biology, 1998, 203, 276-289.	2.0	33
66	The Regulation of MyoD Gene Expression: Conserved Elements Mediate Expression in Embryonic Axial Muscle. Developmental Biology, 1995, 171, 386-398.	2.0	105
67	MyoD and myogenin act on the chicken myosin light-chain 1 gene as distinct transcriptional factors.. Molecular and Cellular Biology, 1993, 13, 7153-7162.	2.3	41
68	Is nebulin the product of Duchenne muscular dystrophy gene?. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1987, 63, 107-110.	3.8	13