

Atsushi Asakura

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

4,676
citations

172386

29
h-index

128225

60
g-index

80
all docs

80
docs citations

80
times ranked

5630
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscle satellite cells are multipotential stem cells that exhibit myogenic, osteogenic, and adipogenic differentiation. <i>Differentiation</i> , 2001, 68, 245-253.	1.0	718
2	Myogenic specification of side population cells in skeletal muscle. <i>Journal of Cell Biology</i> , 2002, 159, 123-134.	2.3	618
3	Side population cells from diverse adult tissues are capable of in vitro hematopoietic differentiation. <i>Experimental Hematology</i> , 2002, 30, 1339-1345.	0.2	313
4	Reduced Differentiation Potential of Primary MyoD ⁺ Myogenic Cells Derived from Adult Skeletal Muscle. <i>Journal of Cell Biology</i> , 1999, 144, 631-643.	2.3	310
5	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.	5.2	223
6	The Potential of Muscle Stem Cells. <i>Developmental Cell</i> , 2001, 1, 333-342.	3.1	220
7	Constitutive Notch Activation Upregulates Pax7 and Promotes the Self-Renewal of Skeletal Muscle Satellite Cells. <i>Molecular and Cellular Biology</i> , 2012, 32, 2300-2311.	1.1	216
8	Muscle satellite cell heterogeneity and self-renewal. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 1.	1.8	180
9	MyoD regulates apoptosis of myoblasts through microRNA-mediated down-regulation of Pax3. <i>Journal of Cell Biology</i> , 2010, 191, 347-365.	2.3	167
10	NeuroD2 Is Necessary for Development and Survival of Central Nervous System Neurons. <i>Developmental Biology</i> , 2001, 234, 174-187.	0.9	149
11	MyoD induces myogenic differentiation through cooperation of its NH ₂ - and COOH-terminal regions. <i>Journal of Cell Biology</i> , 2005, 171, 471-482.	2.3	137
12	The Regulation of MyoD Gene Expression: Conserved Elements Mediate Expression in Embryonic Axial Muscle. <i>Developmental Biology</i> , 1995, 171, 386-398.	0.9	105
13	Increased survival of muscle stem cells lacking the <i>MyoD</i> gene after transplantation into regenerating skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16552-16557.	3.3	103
14	Stem Cells in Adult Skeletal Muscle. <i>Trends in Cardiovascular Medicine</i> , 2003, 13, 123-128.	2.3	93
15	Xenotransplantation of Long-Term-Cultured Swine Bone Marrow-Derived Mesenchymal Stem Cells. <i>Stem Cells</i> , 2007, 25, 612-620.	1.4	77
16	Resident Endothelial Precursors in Muscle, Adipose, and Dermis Contribute to Postnatal Vasculogenesis. <i>Stem Cells</i> , 2007, 25, 3101-3110.	1.4	77
17	Isolation, Culture, and Transplantation of Muscle Satellite Cells. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	72
18	MyoD and Myf-5 define the specification of musculature of distinct embryonic origin. <i>Biochemistry and Cell Biology</i> , 1998, 76, 1079-1091.	0.9	68

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19	Skeletal Muscle Cell Induction from Pluripotent Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-16.	1.2	61
20	Loss of MyoD Promotes Fate Transdifferentiation of Myoblasts Into Brown Adipocytes. <i>EBioMedicine</i> , 2017, 16, 212-223.	2.7	57
21	Flt-1 haploinsufficiency ameliorates muscular dystrophy phenotype by developmentally increased vasculature in mdx mice. <i>Human Molecular Genetics</i> , 2010, 19, 4145-4159.	1.4	49
22	Transcriptional and cytopathological hallmarks of FSHD in chronic DUX4-expressing mice. <i>Journal of Clinical Investigation</i> , 2020, 130, 2465-2477.	3.9	44
23	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.	1.3	43
24	MyoD and myogenin act on the chicken myosin light-chain 1 gene as distinct transcriptional factors.. <i>Molecular and Cellular Biology</i> , 1993, 13, 7153-7162.	1.1	41
25	Vascular-targeted therapies for Duchenne muscular dystrophy. <i>Skeletal Muscle</i> , 2013, 3, 9.	1.9	41
26	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.	2.9	41
27	<i>MyoD</i> Gene Suppression by Oct4 Is Required for Reprogramming in Myoblasts to Produce Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2011, 29, 505-516.	1.4	40
28	Cellular localization of the cell cycle inhibitor Cdkn1c controls growth arrest of adult skeletal muscle stem cells. <i>ELife</i> , 2018, 7, .	2.8	36
29	Apoptosis of Epaxial Myotome in Danforth's short-tail (Sd) Mice in Somites That Form Following Notochord Degeneration. <i>Developmental Biology</i> , 1998, 203, 276-289.	0.9	33
30	Promotion of Myoblast Differentiation by Fkbp5 via Cdk4 Isomerization. <i>Cell Reports</i> , 2018, 25, 2537-2551.e8.	2.9	26
31	MyoD enhances BMP7-induced osteogenic differentiation of myogenic cell cultures. <i>Journal of Cell Science</i> , 2004, 117, 1457-1468.	1.2	24
32	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.	5.0	23
33	Ste20-like kinase SLK displays myofiber type specificity and is involved in C2C12 myoblast differentiation. <i>Muscle and Nerve</i> , 2004, 29, 553-564.	1.0	19
34	Interspecies Organogenesis for Human Transplantation. <i>Cell Transplantation</i> , 2019, 28, 1091-1105.	1.2	19
35	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.	1.5	18
36	Per1/Per2/Igf2 axis-mediated circadian regulation of myogenic differentiation. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	18

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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, 203-212.	3.0	17
38	The endothelial Dll4-muscular Notch2 axis regulates skeletal muscle mass. <i>Nature Metabolism</i> , 2022, 4, 180-189.	5.1	15
39	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.	1.6	13
40	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.	1.1	13
41	Fine-Tuning of Piezo1 Expression and Activity Ensures Efficient Myoblast Fusion during Skeletal Myogenesis. <i>Cells</i> , 2022, 11, 393.	1.8	12
42	Skeletal Muscle Tissue Clearing for LacZ and Fluorescent Reporters, and Immunofluorescence Staining. <i>Methods in Molecular Biology</i> , 2016, 1460, 129-140.	0.4	11
43	Skeletal Muscle-derived Hematopoietic Stem Cells: Muscular Dystrophy Therapy by Bone Marrow Transplantation. <i>Journal of Stem Cell Research & Therapy</i> , 2012, 01, .	0.3	11
44	Post-mitotic role of nucleostemin as a promoter of skeletal muscle cell differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 299-304.	1.0	10
45	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.	1.8	9
46	Pregnancy-Induced Amelioration of Muscular Dystrophy Phenotype in mdx Mice via Muscle Membrane Stabilization Effect of Glucocorticoid. <i>PLoS ONE</i> , 2015, 10, e0120325.	1.1	8
47	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, 60-67.	1.3	7
48	In Utero Stem Cell Transplantation: Potential Therapeutic Application for Muscle Diseases. <i>Stem Cells International</i> , 2017, 2017, 1-12.	1.2	7
49	CDK inhibitors for muscle stem cell differentiation and self-renewal. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2017, 6, 65-74.	0.2	7
50	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.	1.0	7
51	Rhabdomyosarcomagenesis—Novel pathway found. <i>Cancer Cell</i> , 2003, 4, 421-422.	7.7	6
52	Molecular Regulation of Muscle Satellite Cell Self-Renewal. <i>Journal of Stem Cell Research & Therapy</i> , 2012, 01, .	0.3	6
53	Cellular and Molecular Mechanisms Regulating Skeletal Muscle Development. , 2002, , 253-278.		4
54	Grand challenges in the field of stem cell research. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 2.	1.8	4

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55	Spin infection enables efficient gene delivery to muscle stem cells. <i>BioTechniques</i> , 2017, 63, 72-76.	0.8	4
56	An Examination of the Role of Transcriptional and Posttranscriptional Regulation in Rhabdomyosarcoma. <i>Stem Cells International</i> , 2017, 2017, 1-10.	1.2	4
57	Skeletal Muscle Cells Generated from Pluripotent Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-2.	1.2	3
58	A New Look at an Immortal DNA Hypothesis for Stem Cell Self-Renewal. <i>Journal of Stem Cell Research & Therapy</i> , 2012, 02, .	0.3	3
59	Hematopoietic potential cells in skeletal muscle. <i>Cell Research</i> , 2007, 17, 836-838.	5.7	2
60	Vascular Endothelial Growth Factor Gene Regulation by HEXIM1 in Heart. <i>Circulation Research</i> , 2008, 102, 398-400.	2.0	2
61	Increasing myosin light chain 3f (MLC3f) protects against a decline in contractile velocity. <i>PLoS ONE</i> , 2019, 14, e0214982.	1.1	1
62	Satellite Cells and the Universe of Adult Muscle Stem Cells. <i>Journal of Stem Cell Research & Therapy</i> , 2012, 01, .	0.3	0
63	Critical role for nucleostemin in protein synthesis and muscle cell differentiation. <i>FASEB Journal</i> , 2008, 22, 1060.1.	0.2	0
64	Stem Cells in Skeletal Muscle Regeneration. , 2008, , 145-175.		0
65	Increased Myosin Light Chain 3f Content Restores Age-Induced Slowing of Single Skeletal Muscle Fiber Contraction. <i>FASEB Journal</i> , 2011, 25, 1049.1.	0.2	0
66	Experimental Cell Transplantation for Myocardial Repair. , 2005, , 427-438.		0
67	Editorial: Editor's Pick 2021: Highlights in Stem Cell Research. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 859472.	1.8	0
68	Immunofluorescence analysis of myogenic differentiation. <i>Methods in Cell Biology</i> , 2022, , .	0.5	0