

Fabien Le Grand

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

5,733
citations

218592

26
h-index

330025

37
g-index

47
all docs

47
docs citations

47
times ranked

6887
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscle injury activates resident fibro/adipogenic progenitors that facilitate myogenesis. <i>Nature Cell Biology</i> , 2010, 12, 153-163.	4.6	1,299
2	Asymmetric Self-Renewal and Commitment of Satellite Stem Cells in Muscle. <i>Cell</i> , 2007, 129, 999-1010.	13.5	1,145
3	Wnt7a Activates the Planar Cell Polarity Pathway to Drive the Symmetric Expansion of Satellite Stem Cells. <i>Cell Stem Cell</i> , 2009, 4, 535-547.	5.2	435
4	Skeletal muscle satellite cells and adult myogenesis. <i>Current Opinion in Cell Biology</i> , 2007, 19, 628-633.	2.6	415
5	Pax7 activates myogenic genes by recruitment of a histone methyltransferase complex. <i>Nature Cell Biology</i> , 2008, 10, 77-84.	4.6	323
6	High-Dimensional Single-Cell Cartography Reveals Novel Skeletal Muscle-Resident Cell Populations. <i>Molecular Cell</i> , 2019, 74, 609-621.e6.	4.5	271
7	The Molecular Regulation of Muscle Stem Cell Function. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 323-331.	2.0	214
8	Autocrine and Paracrine Angiopoietin 1/Tie-2 Signaling Promotes Muscle Satellite Cell Self-Renewal. <i>Cell Stem Cell</i> , 2009, 5, 298-309.	5.2	197
9	Wnt Signaling in Skeletal Muscle Development and Regeneration. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 153, 157-179.	0.9	116
10	p38- β -dependent gene silencing restricts entry into the myogenic differentiation program. <i>Journal of Cell Biology</i> , 2009, 187, 991-1005.	2.3	105
11	Bmp Signaling at the Tips of Skeletal Muscles Regulates the Number of Fetal Muscle Progenitors and Satellite Cells during Development. <i>Developmental Cell</i> , 2010, 18, 643-654.	3.1	105
12	β -Catenin Activation in Muscle Progenitor Cells Regulates Tissue Repair. <i>Cell Reports</i> , 2016, 15, 1277-1290.	2.9	100
13	Six1 regulates stem cell repair potential and self-renewal during skeletal muscle regeneration. <i>Journal of Cell Biology</i> , 2012, 198, 815-832.	2.3	96
14	Satellite cell loss and impaired muscle regeneration in selenoprotein N deficiency. <i>Human Molecular Genetics</i> , 2011, 20, 694-704.	1.4	87
15	Megf10 regulates the progression of the satellite cell myogenic program. <i>Journal of Cell Biology</i> , 2007, 179, 911-922.	2.3	79
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	Wnt/ β -catenin controls follistatin signalling to regulate satellite cell myogenic potential. <i>Skeletal Muscle</i> , 2015, 5, 14.	1.9	75
18	TGF β 2 signaling curbs cell fusion and muscle regeneration. <i>Nature Communications</i> , 2021, 12, 750.	5.8	61

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19	Genesis of muscle fiber-type diversity during mouse embryogenesis relies on Six1 and Six4 gene expression. <i>Developmental Biology</i> , 2011, 359, 303-320.	0.9	59
20	APC is required for muscle stem cell proliferation and skeletal muscle tissue repair. <i>Journal of Cell Biology</i> , 2015, 210, 717-726.	2.3	48
21	Endothelial cell dysfunction and cardiac hypertrophy in the STOX1 model of preeclampsia. <i>Scientific Reports</i> , 2016, 6, 19196.	1.6	44
22	R-spondin1 Controls Muscle Cell Fusion through Dual Regulation of Antagonistic Wnt Signaling Pathways. <i>Cell Reports</i> , 2017, 18, 2320-2330.	2.9	40
23	Satellite Cell Self-Renewal. <i>Current Topics in Developmental Biology</i> , 2018, 126, 177-203.	1.0	37
24	BMP signaling regulates satellite cell dependent postnatal muscle growth. <i>Development (Cambridge)</i> , 2017, 144, 2737-2747.	1.2	34
25	Mechanosensitivity of aged muscle stem cells. <i>Journal of Orthopaedic Research</i> , 2018, 36, 632-641.	1.2	29
26	Endothelial cells within embryonic skeletal muscles: a potential source of myogenic progenitors. <i>Experimental Cell Research</i> , 2004, 301, 232-241.	1.2	26
27	Dynein disruption perturbs post-synaptic components and contributes to impaired MuSK clustering at the NMJ: implication in ALS. <i>Scientific Reports</i> , 2016, 6, 27804.	1.6	26
28	Canonical Wnt signalling regulates nuclear export of Setdb1 during skeletal muscle terminal differentiation. <i>Cell Discovery</i> , 2016, 2, 16037.	3.1	26
29	Muscle satellite cells are functionally impaired in myasthenia gravis: consequences on muscle regeneration. <i>Acta Neuropathologica</i> , 2017, 134, 869-888.	3.9	20
30	Oxidative status of muscle is determined by p107 regulation of PGC-1 α . <i>Journal of Cell Biology</i> , 2010, 190, 651-662.	2.3	19
31	Specific pattern of cell cycle during limb fetal myogenesis. <i>Developmental Biology</i> , 2014, 392, 308-323.	0.9	18
32	Myofiber stretch induces tensile and shear deformation of muscle stem cells in their native niche. <i>Biophysical Journal</i> , 2021, 120, 2665-2678.	0.2	13
33	Human and Murine Skeletal Muscle Reserve Cells. <i>Methods in Molecular Biology</i> , 2013, 1035, 165-177.	0.4	10
34	SIX1 and SIX4 homeoproteins regulate PAX7+ progenitor cell properties during fetal epaxial myogenesis. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	6
35	AXIN1 knockout does not alter AMPK/mTORC1 regulation and glucose metabolism in mouse skeletal muscle. <i>Journal of Physiology</i> , 2021, 599, 3081-3100.	1.3	6
36	Developmental Behavior of Embryonic Myogenic Progenitors Transplanted into Adult Muscle as Revealed by Desmin LacZ Recombinant Gene. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 1255-1267.	1.3	5

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37	Oxidative status of muscle is determined by p107 regulation of PGC-1 α . Journal of General Physiology, 2010, 136, i3-i3.	0.9	0
38	La signalisation TGF β 2 contr�le la fusion cellulaire et la r�g�n�ration musculaire. Les Cahiers De Myologie, 2019, , 33-34.	0.0	0