

Fabien Le Grand

List of Publications by Citations

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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.

42
papers

4,375
citations

24
h-index

47
g-index

47
ext. papers

5,244
ext. citations

9.6
avg, IF

5.33
L-index

#	Paper	IF	Citations
42	Muscle injury activates resident fibro/adipogenic progenitors that facilitate myogenesis. <i>Nature Cell Biology</i> , 2010 , 12, 153-63	23.4	976
41	Asymmetric self-renewal and commitment of satellite stem cells in muscle. <i>Cell</i> , 2007 , 129, 999-1010	56.2	941
40	Wnt7a activates the planar cell polarity pathway to drive the symmetric expansion of satellite stem cells. <i>Cell Stem Cell</i> , 2009 , 4, 535-47	18	356
39	Skeletal muscle satellite cells and adult myogenesis. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 628-33	9	348
38	Pax7 activates myogenic genes by recruitment of a histone methyltransferase complex. <i>Nature Cell Biology</i> , 2008 , 10, 77-84	23.4	276
37	The molecular regulation of muscle stem cell function. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008 , 73, 323-31	3.9	177
36	Autocrine and paracrine angiopoietin 1/Tie-2 signaling promotes muscle satellite cell self-renewal. <i>Cell Stem Cell</i> , 2009 , 5, 298-309	18	160
35	High-Dimensional Single-Cell Cartography Reveals Novel Skeletal Muscle-Resident Cell Populations. <i>Molecular Cell</i> , 2019 , 74, 609-621.e6	17.6	137
34	p38- γ -dependent gene silencing restricts entry into the myogenic differentiation program. <i>Journal of Cell Biology</i> , 2009 , 187, 991-1005	7.3	83
33	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, 643-54	10.2	79
32	Six1 regulates stem cell repair potential and self-renewal during skeletal muscle regeneration. <i>Journal of Cell Biology</i> , 2012 , 198, 815-32	7.3	75
31	Resident endothelial precursors in muscle, adipose, and dermis contribute to postnatal vasculogenesis. <i>Stem Cells</i> , 2007 , 25, 3101-10	5.8	74
30	Satellite cell loss and impaired muscle regeneration in selenoprotein N deficiency. <i>Human Molecular Genetics</i> , 2011 , 20, 694-704	5.6	72
29	Megf10 regulates the progression of the satellite cell myogenic program. <i>Journal of Cell Biology</i> , 2007 , 179, 911-22	7.3	65
28	E-catenin Activation in Muscle Progenitor Cells Regulates Tissue Repair. <i>Cell Reports</i> , 2016 , 15, 1277-90	10.6	63
27	Wnt/ β -catenin controls follistatin signalling to regulate satellite cell myogenic potential. <i>Skeletal Muscle</i> , 2015 , 5, 14	5.1	51
26	Genesis of muscle fiber-type diversity during mouse embryogenesis relies on Six1 and Six4 gene expression. <i>Developmental Biology</i> , 2011 , 359, 303-20	3.1	51

25	Wnt Signaling in Skeletal Muscle Development and Regeneration. <i>Progress in Molecular Biology and Translational Science</i> , 2018 , 153, 157-179	4	51
24	APC is required for muscle stem cell proliferation and skeletal muscle tissue repair. <i>Journal of Cell Biology</i> , 2015 , 210, 717-26	7.3	31
23	Endothelial cell dysfunction and cardiac hypertrophy in the STOX1 model of preeclampsia. <i>Scientific Reports</i> , 2016 , 6, 19196	4.9	31
22	BMP signaling regulates satellite cell-dependent postnatal muscle growth. <i>Development (Cambridge)</i> , 2017 , 144, 2737-2747	6.6	25
21	Endothelial cells within embryonic skeletal muscles: a potential source of myogenic progenitors. <i>Experimental Cell Research</i> , 2004 , 301, 232-41	4.2	25
20	R-spondin1 Controls Muscle Cell Fusion through Dual Regulation of Antagonistic Wnt Signaling Pathways. <i>Cell Reports</i> , 2017 , 18, 2320-2330	10.6	24
19	Satellite Cell Self-Renewal. <i>Current Topics in Developmental Biology</i> , 2018 , 126, 177-203	5.3	23
18	---Mechanosensitivity of aged muscle stem cells. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 632-641	3.8	20
17	TGFβ signaling curbs cell fusion and muscle regeneration. <i>Nature Communications</i> , 2021 , 12, 750	17.4	17
16	Canonical Wnt signalling regulates nuclear export of Setdb1 during skeletal muscle terminal differentiation. <i>Cell Discovery</i> , 2016 , 2, 16037	22.3	16
15	Oxidative status of muscle is determined by p107 regulation of PGC-1alpha. <i>Journal of Cell Biology</i> , 2010 , 190, 651-62	7.3	15
14	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	4.9	14
13	Muscle satellite cells are functionally impaired in myasthenia gravis: consequences on muscle regeneration. <i>Acta Neuropathologica</i> , 2017 , 134, 869-888	14.3	13
12	Specific pattern of cell cycle during limb fetal myogenesis. <i>Developmental Biology</i> , 2014 , 392, 308-23	3.1	12
11	Human and murine skeletal muscle reserve cells. <i>Methods in Molecular Biology</i> , 2013 , 1035, 165-77	1.4	5
10	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, 1255-67	3.4	5
9	Myofiber stretch induces tensile and shear deformation of muscle stem cells in their native niche. <i>Biophysical Journal</i> , 2021 , 120, 2665-2678	2.9	5
8	SIX1 and SIX4 homeoproteins regulate PAX7+ progenitor cell properties during fetal epaxial myogenesis. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	4

7	GREM1 is epigenetically reprogrammed in muscle cells after exercise training and controls myogenesis and metabolism		3
6	High-dimensional single-cell cartography reveals novel skeletal muscle resident cell populations		3
5	TGF β signaling curbs cell fusion and muscle regeneration		2
4	AXIN1 knockout does not alter AMPK/mTORC1 regulation and glucose metabolism in mouse skeletal muscle. <i>Journal of Physiology</i> , 2021 , 599, 3081-3100	3.9	2
3	Differential myoblast and tenoblast affinity to collagen, fibrin and mixed threads in the prospect of muscle-tendon junction modelisation		1
2	La signalisation TGF β contrôle la fusion cellulaire et la régénération musculaire. <i>Les Cahiers De Myologie</i> , 2019 , 33-34		0
1	Oxidative status of muscle is determined by p107 regulation of PGC-1 α . <i>Journal of General Physiology</i> , 2010 , 136, i3-i3		3.4