Nicolas A Dumont

List of Publications by Citations

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Version: 2024-04-26

20 papers	1,924 citations	17 h-index	22 g-index
22 ext. papers	2,500 ext. citations	13.7 avg, IF	5.09 L-index

#	Paper	IF	Citations
20	Dystrophin expression in muscle stem cells regulates their polarity and asymmetric division. *Nature Medicine*, **2015**, 21, 1455-63	50.5	294
19	Satellite Cells and Skeletal Muscle Regeneration. *Comprehensive Physiology*, **2015**, 5, 1027-59	7.7	286
18	Intrinsic and extrinsic mechanisms regulating satellite cell function. *Development (Cambridge)*, **2015** , 142, 1572-81	6.6	271
17	Inhibition of JAK-STAT signaling stimulates adult satellite cell function. *Nature Medicine*, **2014**, 20, 1174-81	50.5	239
16	Cellular dynamics in the muscle satellite cell niche. *EMBO Reports*, **2013**, 14, 1062-72	6.5	217
15	Loss of fibronectin from the aged stem cell niche affects the regenerative capacity of skeletal muscle in mice. *Nature Medicine*, **2016**, 22, 897-905	50.5	155
14	Muscle stem cells at a glance. *Journal of Cell Science*, **2014**, 127, 4543-8	5.3	73
13	Macrophages protect against muscle atrophy and promote muscle recovery in vivo and in vitro: a mechanism partly dependent on the insulin-like growth factor-1 signaling molecule. *American Journal of Pathology*, **2010**, 176, 2228-35	5.8	65
12	Macrophages Are Key Regulators of Stem Cells during Skeletal Muscle Regeneration and Diseases. *Stem Cells International*, **2019**, 2019, 4761427	5	63
11	EGFR-Aurka Signaling Rescues Polarity and Regeneration Defects in Dystrophin-Deficient Muscle Stem Cells by Increasing Asymmetric Divisions. *Cell Stem Cell*, **2019**, 24, 419-432.e6	18	52
10	Caspase 3 cleavage of Pax7 inhibits self-renewal of satellite cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E5246-52	11.5	50
9	Muscle RANK is a key regulator of Ca2+ storage, SERCA activity, and function of fast-twitch skeletal muscles. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C663-72	5.4	31
8	Targeting muscle stem cell intrinsic defects to treat Duchenne muscular dystrophy. *Npj Regenerative Medicine*, **2016**, 1,	15.8	30
7	Impact of Inflammation and Anti-inflammatory Modalities on Skeletal Muscle Healing: From Fundamental Research to the Clinic. *Physical Therapy*, **2017**, 97, 807-817	3.3	27
6	Macrophage colony-stimulating factor-induced macrophage differentiation promotes regrowth in atrophied skeletal muscles and C2C12 myotubes. *American Journal of Pathology*, **2013**, 182, 505-15	5.8	23
5	Characterizing Satellite Cells and Myogenic Progenitors During Skeletal Muscle Regeneration. *Methods in Molecular Biology*, **2017**, 1560, 179-188	1.4	19
4	Biallelic variants in the transcription factor PAX7 are a new genetic cause of myopathy. *Genetics in Medicine*, **2019**, 21, 2521-2531	8.1	17

3	Resolvin-D2 targets myogenic cells and improves muscle regeneration in Duchenne muscular dystrophy. *Nature Communications*, **2021**, 12, 6264	17.4	4
2	Fibro-adipogenic progenitors in skeletal muscle homeostasis, regeneration and diseases. *Open Biology*, **2021**, 11, 210110	7	3
1	Transient neonatal exposure to hyperoxia, an experimental model of preterm birth, leads to skeletal muscle atrophy and fiber type switching. *Clinical Science*, **2021**, 135, 2589-2605	6.5	