Antoine Muchir

List of Publications by Year in Descending Order

35 papers	2,324 citations	21 h-index	38 g-index
38 ext. papers	2,674 ext. citations	7.1 avg, IF	4.53 L-index

#	Paper	IF	Citations
35	Ryanodine receptor remodeling in cardiomyopathy and muscular dystrophy caused by lamin A/C gene mutation. *Human Molecular Genetics*, **2021**, 29, 3919-3934	5.6	5
34	Activation of skeletal muscle-resident glial cells upon nerve injury. *JCI Insight*, **2021**, 6,	9.9	6
33	Activation of sarcolipin expression and altered calcium cycling in cardiomyopathy. *Biochemistry and Biophysics Reports*, **2020**, 22, 100767	2.2	8
32	Loss of MTX2 causes mandibuloacral dysplasia and links mitochondrial dysfunction to altered nuclear morphology. *Nature Communications*, **2020**, 11, 4589	17.4	13
31	Alteration of performance in a mouse model of Emery-Dreifuss muscular dystrophy caused by A-type lamins gene mutation. *Human Molecular Genetics*, **2019**, 28, 2237-2244	5.6	3
30	Effect of genetic background on the cardiac phenotype in a mouse model of Emery-Dreifuss muscular dystrophy. *Biochemistry and Biophysics Reports*, **2019**, 19, 100664	2.2	5
29	Emery-Dreifuss muscular dystrophy: focal point nuclear envelope. *Current Opinion in Neurology*, **2019**, 32, 728-734	7.1	5
28	N-acetyl cysteine alleviates oxidative stress and protects mice from dilated cardiomyopathy caused by mutations in nuclear A-type lamins gene. *Human Molecular Genetics*, **2018**, 27, 3353-3360	5.6	6
27	Overexpression of heart-specific small subunit of myosin light chain phosphatase results in heart failure and conduction disturbance. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H1192-H1202	5.2	3
26	Rescue of biosynthesis of nicotinamide adenine dinucleotide protects the heart in cardiomyopathy caused by lamin A/C gene mutation. *Human Molecular Genetics*, **2018**, 27, 3870-3880	5.6	21
25	The C hyperpolarized pyruvate generated by ParaHydrogen detects the response of the heart to altered metabolism in real time. *Scientific Reports*, **2018**, 8, 8366	4.9	75
24	Cofilin-1 phosphorylation catalyzed by ERK1/2 alters cardiac actin dynamics in dilated cardiomyopathy caused by lamin A/C gene mutation. *Human Molecular Genetics*, **2018**, 27, 3060-3078	5.6	29
23	Lamin and the heart. *Heart*, **2018**, 104, 468-479	5.1	70
22	The Pathogenesis and Therapies of Striated Muscle Laminopathies. *Frontiers in Physiology*, **2018**, 9, 1533	4.6	18
21	Macrocyclic MEK1/2 inhibitor with efficacy in a mouse model of cardiomyopathy caused by lamin A/C gene mutation. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 1004-1013	3.4	14
20	Decreased WNT/Ecatenin signalling contributes to the pathogenesis of dilated cardiomyopathy caused by mutations in the lamin a/C gene. *Human Molecular Genetics*, **2017**, 26, 333-343	5.6	45
19	ERK1/2 directly acts on CTGF/CCN2 expression to mediate myocardial fibrosis in cardiomyopathy caused by mutations in the lamin A/C gene. *Human Molecular Genetics*, **2016**, 25, 2220-2233	5.6	59

18	Mitogen-activated protein kinase kinase 1/2 inhibition and angiotensin II converting inhibition in mice with cardiomyopathy caused by lamin A/C gene mutation. *Biochemical and Biophysical Research Communications*, **2014**, 452, 958-61	3.4	16
17	Inhibition of extracellular signal-regulated kinase 1/2 signaling has beneficial effects on skeletal muscle in a mouse model of Emery-Dreifuss muscular dystrophy caused by lamin A/C gene mutation. *Skeletal Muscle*, **2013**, 3, 17	5.1	31
16	Temsirolimus activates autophagy and ameliorates cardiomyopathy caused by lamin A/C gene mutation. *Science Translational Medicine*, **2012**, 4, 144ra102	17.5	139
15	Abnormal p38 mitogen-activated protein kinase signaling in dilated cardiomyopathy caused by lamin A/C gene mutation. *Human Molecular Genetics*, **2012**, 21, 4325-33	5.6	86
14	Treatment with selumetinib preserves cardiac function and improves survival in cardiomyopathy caused by mutation in the lamin A/C gene. *Cardiovascular Research*, **2012**, 93, 311-9	9.9	71
13	Mitogen-activated protein kinase inhibitors improve heart function and prevent fibrosis in cardiomyopathy caused by mutation in lamin A/C gene. *Circulation*, **2011**, 123, 53-61	16.7	120
12	Signaling defects and the nuclear envelope in progeria. *Developmental Cell*, **2010**, 19, 355-6	10.2	3
11	Mitogen-activated protein kinase inhibitor regulation of heart function and fibrosis in cardiomyopathy caused by lamin A/C gene mutation. *Trends in Cardiovascular Medicine*, **2010**, 20, 217-21	6.9	11
10	Reduced expression of A-type lamins and emerin activates extracellular signal-regulated kinase in cultured cells. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2009**, 1792, 75-81	6.9	48
9	Inhibition of extracellular signal-regulated kinase signaling to prevent cardiomyopathy caused by mutation in the gene encoding A-type lamins. *Human Molecular Genetics*, **2009**, 18, 241-7	5.6	125
8	Laminopathies and the long strange trip from basic cell biology to therapy. *Journal of Clinical Investigation*, **2009**, 119, 1825-36	15.9	204
7	Emery-Dreifuss muscular dystrophy. *Current Neurology and Neuroscience Reports*, **2007**, 7, 78-83	6.6	49
6	Activation of MAPK in hearts of EMD null mice: similarities between mouse models of X-linked and autosomal dominant Emery Dreifuss muscular dystrophy. *Human Molecular Genetics*, **2007**, 16, 1884-95	5.6	107
5	Activation of MAPK pathways links LMNA mutations to cardiomyopathy in Emery-Dreifuss muscular dystrophy. *Journal of Clinical Investigation*, **2007**, 117, 1282-93	15.9	218
4	Proteasome-mediated degradation of integral inner nuclear membrane protein emerin in fibroblasts lacking A-type lamins. *Biochemical and Biophysical Research Communications*, **2006**, 351, 1011-7	3.4	27
3	The nuclear envelope and human disease. *Physiology*, **2004**, 19, 309-14	9.8	49
2	Mandibuloacral dysplasia is caused by a mutation in LMNA-encoding lamin A/C. *American Journal of Human Genetics*, **2002**, 71, 426-31	11	436
1	High incidence of sudden death with conduction system and myocardial disease due to lamins A and C gene mutation. *PACE - Pacing and Clinical Electrophysiology*, **2000**, 23, 1661-6	1.6	198