

Antoine Muchir

List of Publications by Citations

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Version: 2024-04-28

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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.

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	Mandibuloacral dysplasia is caused by a mutation in LMNA-encoding lamin A/C. <i>American Journal of Human Genetics</i> , 2002 , 71, 426-31	11	436
34	Activation of MAPK pathways links LMNA mutations to cardiomyopathy in Emery-Dreifuss muscular dystrophy. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1282-93	15.9	218
33	Laminopathies and the long strange trip from basic cell biology to therapy. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1825-36	15.9	204
32	High incidence of sudden death with conduction system and myocardial disease due to lamins A and C gene mutation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2000 , 23, 1661-6	1.6	198
31	Temsirolimus activates autophagy and ameliorates cardiomyopathy caused by lamin A/C gene mutation. <i>Science Translational Medicine</i> , 2012 , 4, 144ra102	17.5	139
30	Inhibition of extracellular signal-regulated kinase signaling to prevent cardiomyopathy caused by mutation in the gene encoding A-type lamins. <i>Human Molecular Genetics</i> , 2009 , 18, 241-7	5.6	125
29	Mitogen-activated protein kinase inhibitors improve heart function and prevent fibrosis in cardiomyopathy caused by mutation in lamin A/C gene. <i>Circulation</i> , 2011 , 123, 53-61	16.7	120
28	Activation of MAPK in hearts of EMD null mice: similarities between mouse models of X-linked and autosomal dominant Emery Dreifuss muscular dystrophy. <i>Human Molecular Genetics</i> , 2007 , 16, 1884-95	5.6	107
27	Abnormal p38 mitogen-activated protein kinase signaling in dilated cardiomyopathy caused by lamin A/C gene mutation. <i>Human Molecular Genetics</i> , 2012 , 21, 4325-33	5.6	86
26	The C hyperpolarized pyruvate generated by ParaHydrogen detects the response of the heart to altered metabolism in real time. <i>Scientific Reports</i> , 2018 , 8, 8366	4.9	75
25	Treatment with selumetinib preserves cardiac function and improves survival in cardiomyopathy caused by mutation in the lamin A/C gene. <i>Cardiovascular Research</i> , 2012 , 93, 311-9	9.9	71
24	Lamin and the heart. <i>Heart</i> , 2018 , 104, 468-479	5.1	70
23	ERK1/2 directly acts on CTGF/CCN2 expression to mediate myocardial fibrosis in cardiomyopathy caused by mutations in the lamin A/C gene. <i>Human Molecular Genetics</i> , 2016 , 25, 2220-2233	5.6	59
22	Emery-Dreifuss muscular dystrophy. <i>Current Neurology and Neuroscience Reports</i> , 2007 , 7, 78-83	6.6	49
21	The nuclear envelope and human disease. <i>Physiology</i> , 2004 , 19, 309-14	9.8	49
20	Reduced expression of A-type lamins and emerin activates extracellular signal-regulated kinase in cultured cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009 , 1792, 75-81	6.9	48
19	Decreased WNT/βcatenin signalling contributes to the pathogenesis of dilated cardiomyopathy caused by mutations in the lamin a/c gene. <i>Human Molecular Genetics</i> , 2017 , 26, 333-343	5.6	45

18	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. <i>Skeletal Muscle</i> , 2013 , 3, 17	5.1	31
17	Cofilin-1 phosphorylation catalyzed by ERK1/2 alters cardiac actin dynamics in dilated cardiomyopathy caused by lamin A/C gene mutation. <i>Human Molecular Genetics</i> , 2018 , 27, 3060-3078	5.6	29
16	Proteasome-mediated degradation of integral inner nuclear membrane protein emerin in fibroblasts lacking A-type lamins. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 351, 1011-1014	3.4	27
15	Rescue of biosynthesis of nicotinamide adenine dinucleotide protects the heart in cardiomyopathy caused by lamin A/C gene mutation. <i>Human Molecular Genetics</i> , 2018 , 27, 3870-3880	5.6	21
14	The Pathogenesis and Therapies of Striated Muscle Laminopathies. <i>Frontiers in Physiology</i> , 2018 , 9, 1533-1546	4.6	18
13	Mitogen-activated protein kinase kinase 1/2 inhibition and angiotensin II converting inhibition in mice with cardiomyopathy caused by lamin A/C gene mutation. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 452, 958-61	3.4	16
12	Macrocyclic MEK1/2 inhibitor with efficacy in a mouse model of cardiomyopathy caused by lamin A/C gene mutation. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 1004-1013	3.4	14
11	Loss of MTX2 causes mandibuloacral dysplasia and links mitochondrial dysfunction to altered nuclear morphology. <i>Nature Communications</i> , 2020 , 11, 4589	17.4	13
10	Mitogen-activated protein kinase inhibitor regulation of heart function and fibrosis in cardiomyopathy caused by lamin A/C gene mutation. <i>Trends in Cardiovascular Medicine</i> , 2010 , 20, 217-218	6.9	11
9	Activation of sarcolipin expression and altered calcium cycling in cardiomyopathy. <i>Biochemistry and Biophysics Reports</i> , 2020 , 22, 100767	2.2	8
8	N-acetyl cysteine alleviates oxidative stress and protects mice from dilated cardiomyopathy caused by mutations in nuclear A-type lamins gene. <i>Human Molecular Genetics</i> , 2018 , 27, 3353-3360	5.6	6
7	Activation of skeletal muscle-resident glial cells upon nerve injury. <i>JCI Insight</i> , 2021 , 6,	9.9	6
6	Effect of genetic background on the cardiac phenotype in a mouse model of Emery-Dreifuss muscular dystrophy. <i>Biochemistry and Biophysics Reports</i> , 2019 , 19, 100664	2.2	5
5	Ryanodine receptor remodeling in cardiomyopathy and muscular dystrophy caused by lamin A/C gene mutation. <i>Human Molecular Genetics</i> , 2021 , 29, 3919-3934	5.6	5
4	Emery-Dreifuss muscular dystrophy: focal point nuclear envelope. <i>Current Opinion in Neurology</i> , 2019 , 32, 728-734	7.1	5
3	Alteration of performance in a mouse model of Emery-Dreifuss muscular dystrophy caused by A-type lamins gene mutation. <i>Human Molecular Genetics</i> , 2019 , 28, 2237-2244	5.6	3
2	Overexpression of heart-specific small subunit of myosin light chain phosphatase results in heart failure and conduction disturbance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H1192-H1202	5.2	3
1	Signaling defects and the nuclear envelope in progeria. <i>Developmental Cell</i> , 2010 , 19, 355-6	10.2	3

