

Alain Lacampagne

List of Publications by Citations

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132
papers

6,480
citations

43
h-index

77
g-index

157
ext. papers

7,464
ext. citations

6.5
avg, IF

5.21
L-index

#	Paper	IF	Citations
132	Rapidly progressive diaphragmatic weakness and injury during mechanical ventilation in humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 364-71	10.2	433
131	Hypernitrosylated ryanodine receptor calcium release channels are leaky in dystrophic muscle. <i>Nature Medicine</i> , 2009 , 15, 325-30	50.5	371
130	Ryanodine receptor oxidation causes intracellular calcium leak and muscle weakness in aging. <i>Cell Metabolism</i> , 2011 , 14, 196-207	24.6	254
129	Remodeling of ryanodine receptor complex causes "leaky" channels: a molecular mechanism for decreased exercise capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2198-202	11.5	235
128	Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. <i>Cell Metabolism</i> , 2016 , 23, 1078-1092	24.6	204
127	Absence of triadin, a protein of the calcium release complex, is responsible for cardiac arrhythmia with sudden death in human. <i>Human Molecular Genetics</i> , 2012 , 21, 2759-67	5.6	199
126	PKA phosphorylation activates the calcium release channel (ryanodine receptor) in skeletal muscle: defective regulation in heart failure. <i>Journal of Cell Biology</i> , 2003 , 160, 919-28	7.3	195
125	Leaky RyR2 trigger ventricular arrhythmias in Duchenne muscular dystrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1559-64	11.5	163
124	Depressing mitochondria-reticulum interactions protects cardiomyocytes from lethal hypoxia-reoxygenation injury. <i>Circulation</i> , 2013 , 128, 1555-65	16.7	159
123	AMPK activation stimulates autophagy and ameliorates muscular dystrophy in the mdx mouse diaphragm. <i>American Journal of Pathology</i> , 2012 , 181, 583-92	5.8	151
122	Effects of diabetes on ryanodine receptor Ca release channel (RyR2) and Ca ²⁺ homeostasis in rat heart. <i>Diabetes</i> , 2005 , 54, 3082-8	0.9	135
121	Revealing the large-scale network organization of growth hormone-secreting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16880-5	11.5	129
120	Critical role for stromal interaction molecule 1 in cardiac hypertrophy. <i>Circulation</i> , 2011 , 124, 796-805	16.7	124
119	New insights into mechanisms of statin-associated myotoxicity. <i>Current Opinion in Pharmacology</i> , 2008 , 8, 333-8	5.1	123
118	Simvastatin triggers mitochondria-induced Ca ²⁺ signaling alteration in skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 329, 1067-75	3.4	121
117	Calcium release channel RyR2 regulates insulin release and glucose homeostasis. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1968-78	15.9	120
116	The stretch-activated ion channel blocker gadolinium also blocks L-type calcium channels in isolated ventricular myocytes of the guinea-pig. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994 , 1191, 205-8	3.8	109

115	Length and protein kinase A modulations of myocytes in cardiac myosin binding protein C-deficient mice. <i>Cardiovascular Research</i> , 2006 , 69, 370-80	9.9	107
114	Streptomycin reverses a large stretch induced increases in $[Ca^{2+}]_i$ in isolated guinea pig ventricular myocytes. <i>Cardiovascular Research</i> , 1994 , 28, 1193-8	9.9	94
113	Mitochondrial production of reactive oxygen species contributes to the β -adrenergic stimulation of mouse cardiomyocytes. <i>Journal of Physiology</i> , 2011 , 589, 1791-801	3.9	92
112	Simvastatin induces impairment in skeletal muscle while heart is protected. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 1426-34	3.4	92
111	Disruption of calcium transfer from ER to mitochondria links alterations of mitochondria-associated ER membrane integrity to hepatic insulin resistance. <i>Diabetologia</i> , 2016 , 59, 614-23	10.3	85
110	Blebbistatin: use as inhibitor of muscle contraction. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 455, 995-1005	4.6	82
109	Post-translational remodeling of ryanodine receptor induces calcium leak leading to Alzheimer β disease-like pathologies and cognitive deficits. <i>Acta Neuropathologica</i> , 2017 , 134, 749-767	14.3	80
108	Ryanodine receptor leak mediated by caspase-8 activation leads to left ventricular injury after myocardial ischemia-reperfusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 13258-63	11.5	77
107	The cAMP binding protein Epac regulates cardiac myofilament function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14144-9	11.5	72
106	Defects in ryanodine receptor calcium release in skeletal muscle from post-myocardial infarct rats. <i>FASEB Journal</i> , 2003 , 17, 1517-9	0.9	71
105	Muscle mitochondrial metabolism and calcium signaling impairment in patients treated with statins. <i>Toxicology and Applied Pharmacology</i> , 2012 , 259, 263-8	4.6	68
104	Transmural stretch-dependent regulation of contractile properties in rat heart and its alteration after myocardial infarction. <i>FASEB Journal</i> , 2005 , 19, 88-90	0.9	66
103	Cellular in vivo imaging reveals coordinated regulation of pituitary microcirculation and GH cell network function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4465-70	11.5	60
102	Sepsis is associated with a preferential diaphragmatic atrophy: a critically ill patient study using tridimensional computed tomography. <i>Anesthesiology</i> , 2014 , 120, 1182-91	4.3	57
101	Modulation of the frequency of spontaneous sarcoplasmic reticulum Ca^{2+} release events (Ca^{2+} sparks) by myoplasmic $[Mg^{2+}]$ in frog skeletal muscle. <i>Journal of General Physiology</i> , 1998 , 111, 207-24	3.4	56
100	Regulation of cAMP homeostasis by the efflux protein MRP4 in cardiac myocytes. <i>FASEB Journal</i> , 2012 , 26, 1009-17	0.9	54
99	Leaky ryanodine receptors contribute to diaphragmatic weakness during mechanical ventilation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9069-74	11.5	53
98	Time course of individual Ca^{2+} sparks in frog skeletal muscle recorded at high time resolution. <i>Journal of General Physiology</i> , 1999 , 113, 187-98	3.4	53

97	Nonenzymatic lipid mediators, neuroprostanes, exert the antiarrhythmic properties of docosahexaenoic acid. <i>Free Radical Biology and Medicine</i> , 2015 , 86, 269-78	7.8	52
96	Hidden face of the anterior pituitary. <i>Trends in Endocrinology and Metabolism</i> , 2002 , 13, 304-9	8.8	52
95	TNF- β -mediated caspase-8 activation induces ROS production and TRPM2 activation in adult ventricular myocytes. <i>Cardiovascular Research</i> , 2014 , 103, 90-9	9.9	51
94	Rapid onset of specific diaphragm weakness in a healthy murine model of ventilator-induced diaphragmatic dysfunction. <i>Anesthesiology</i> , 2012 , 117, 560-7	4.3	45
93	Voltage dependence of the pattern and frequency of discrete Ca ²⁺ release events after brief repriming in frog skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 11061-6	11.5	44
92	Ca ²⁺ -dependent reduction of IK1 in rat ventricular cells: a novel paradigm for arrhythmia in heart failure?. <i>Cardiovascular Research</i> , 2005 , 68, 204-12	9.9	44
91	Effects of intermittent femoral nerve injections of bupivacaine, levobupivacaine, and ropivacaine on mitochondrial energy metabolism and intracellular calcium homeostasis in rat psoas muscle. <i>Anesthesiology</i> , 2007 , 106, 1026-34	4.3	44
90	Review Energy Autonomous Wearable Sensors for Smart Healthcare: A Review. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037516	3.9	44
89	Atomic force microscopy combined with human pluripotent stem cell derived cardiomyocytes for biomechanical sensing. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 751-757	11.8	42
88	Late exercise training improves non-uniformity of transmural myocardial function in rats with ischaemic heart failure. <i>Cardiovascular Research</i> , 2009 , 81, 555-64	9.9	41
87	Activation of Sonic hedgehog signaling in ventricular cardiomyocytes exerts cardioprotection against ischemia reperfusion injuries. <i>Scientific Reports</i> , 2015 , 5, 7983	4.9	39
86	Human pluripotent stem cell-derived cardiomyocytes as research and therapeutic tools. <i>BioMed Research International</i> , 2014 , 2014, 512831	3	39
85	Maintenance of normal blood pressure is dependent on IP3R1-mediated regulation of eNOS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8532-7	11.5	39
84	Effect of a high dose of simvastatin on muscle mitochondrial metabolism and calcium signaling in healthy volunteers. <i>Toxicology and Applied Pharmacology</i> , 2012 , 263, 281-6	4.6	37
83	Increase in Cardiac Ischemia-Reperfusion Injuries in Opa1 ^{+/-} Mouse Model. <i>PLoS ONE</i> , 2016 , 11, e0164066	6.7	37
82	Carnitine deficiency induces a short QT syndrome. <i>Heart Rhythm</i> , 2016 , 13, 165-74	6.7	36
81	The energy disruptor metformin targets mitochondrial integrity via modification of calcium flux in cancer cells. <i>Scientific Reports</i> , 2017 , 7, 5040	4.9	36
80	Targeting neonatal ischemic brain injury with a pentapeptide-based irreversible caspase inhibitor. <i>Cell Death and Disease</i> , 2011 , 2, e203	9.8	34

79	ATP/UTP activate cation-permeable channels with TRPC3/7 properties in rat cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H21-8	5.2	34
78	Palmitoyl-carnitine increases RyR2 oxidation and sarcoplasmic reticulum Ca ²⁺ leak in cardiomyocytes: Role of adenine nucleotide translocase. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 749-58	6.9	33
77	Forced aggregation and defined factors allow highly uniform-sized embryoid bodies and functional cardiomyocytes from human embryonic and induced pluripotent stem cells. <i>Heart and Vessels</i> , 2014 , 29, 834-46	2.1	33
76	Two mechanisms for termination of individual Ca ²⁺ sparks in skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 7823-8	11.5	33
75	Amyloid β production is regulated by α -adrenergic signaling-mediated post-translational modifications of the ryanodine receptor. <i>Journal of Biological Chemistry</i> , 2017 , 292, 10153-10168	5.4	32
74	Short-coupled polymorphic ventricular tachycardia at rest linked to a novel ryanodine receptor (RyR2) mutation: leaky RyR2 channels under non-stress conditions. <i>International Journal of Cardiology</i> , 2015 , 180, 228-36	3.2	32
73	Repriming and activation alter the frequency of stereotyped discrete Ca ²⁺ release events in frog skeletal muscle. <i>Journal of Physiology</i> , 1996 , 497 (Pt 3), 581-8	3.9	32
72	Interest of colchicine in the treatment of acute myocardial infarct responsible for heart failure in a mouse model. <i>International Journal of Cardiology</i> , 2017 , 240, 347-353	3.2	31
71	Type 2 ryanodine receptor: a novel therapeutic target in myocardial ischemia/reperfusion. <i>Pharmacology & Therapeutics</i> , 2013 , 138, 323-32	13.9	31
70	Triadins are not triad-specific proteins: two new skeletal muscle triadins possibly involved in the architecture of sarcoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28601-9	5.4	31
69	Emergence of Orai3 activity during cardiac hypertrophy. <i>Cardiovascular Research</i> , 2015 , 105, 248-59	9.9	28
68	gamma-aminobutyric acid type B receptors are expressed and functional in mammalian cardiomyocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8664-9	11.5	27
67	Differential localization of autolyzed calpains 1 and 2 in slow and fast skeletal muscles in the early phase of atrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C1723-31	5.4	26
66	Frequency-dependent and proarrhythmogenic effects of FK-506 in rat ventricular cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H778-86	5.2	26
65	A repetitive mode of activation of discrete Ca ²⁺ release events (Ca ²⁺ sparks) in frog skeletal muscle fibres. <i>Journal of Physiology</i> , 1999 , 515 (Pt 2), 391-411	3.9	26
64	SR33805, a Ca ²⁺ antagonist with length-dependent Ca ²⁺ -sensitizing properties in cardiac myocytes. <i>British Journal of Pharmacology</i> , 2003 , 139, 99-108	8.6	25
63	Functional evidence for an active role of B-type natriuretic peptide in cardiac remodelling and pro-arrhythmogenicity. <i>Cardiovascular Research</i> , 2012 , 95, 59-68	9.9	24
62	Bradykinin restores left ventricular function, sarcomeric protein phosphorylation, and e/nNOS levels in dogs with Duchenne muscular dystrophy cardiomyopathy. <i>Cardiovascular Research</i> , 2012 , 95, 86-96	9.9	23

61	Effect of sulfhydryl oxidation on ionic and gating currents associated with L-type calcium channels in isolated guinea-pig ventricular myocytes. <i>Cardiovascular Research</i> , 1995 , 30, 799-806	9.9	23
60	Speckle-Tracking Echocardiography in Children With Duchenne Muscular Dystrophy: A Prospective Multicenter Controlled Cross-Sectional Study. <i>Journal of the American Society of Echocardiography</i> , 2019 , 32, 412-422	5.8	22
59	Atomic force and electron microscopic-based study of sarcolemmal surface of living cardiomyocytes unveils unexpected mitochondrial shift in heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 74, 162-72	5.8	22
58	Key role of endothelium in the eNOS-dependent cardioprotection with exercise training. <i>Journal of Molecular and Cellular Cardiology</i> , 2017 , 102, 26-30	5.8	21
57	Regional variation in myofilament length-dependent activation. <i>Pflugers Archiv European Journal of Physiology</i> , 2011 , 462, 15-28	4.6	21
56	Carbon monoxide exposure enhances arrhythmia after cardiac stress: involvement of oxidative stress. <i>Basic Research in Cardiology</i> , 2011 , 106, 1235-46	11.8	21
55	Intracellular Cs ⁺ activates the PKA pathway, revealing a fast, reversible, Ca ²⁺ -dependent inactivation of L-type Ca ²⁺ current. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C310-8	5.4	21
54	Carbon monoxide pollution aggravates ischemic heart failure through oxidative stress pathway. <i>Scientific Reports</i> , 2017 , 7, 39715	4.9	20
53	Subendocardial increase in reactive oxygen species production affects regional contractile function in ischemic heart failure. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1009-20	8.4	20
52	Beneficial effects of SR33805 in failing myocardium. <i>Cardiovascular Research</i> , 2011 , 91, 412-9	9.9	20
51	A simple method for calibrating collagenase/pronase E ratio to optimize heart cell isolation. <i>Biology of the Cell</i> , 1993 , 79, 161-5	3.5	20
50	Post-Translational Modifications and Diastolic Calcium Leak Associated to the Novel RyR2-D3638A Mutation Lead to CPVT in Patient-Specific hiPSC-Derived Cardiomyocytes. <i>Journal of Clinical Medicine</i> , 2018 , 7,	5.1	20
49	ER stress disturbs SR/ER-mitochondria Ca transfer: Implications in Duchenne muscular dystrophy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2229-2239	6.9	19
48	Dystrophin Deficiency Leads to Genomic Instability in Human Pluripotent Stem Cells via NO Synthase-Induced Oxidative Stress. <i>Cells</i> , 2019 , 8,	7.9	19
47	Effects of high-altitude exercise training on contractile function of rat skinned cardiomyocyte. <i>Cardiovascular Research</i> , 2006 , 71, 652-60	9.9	18
46	Effects of chronic administration of clenbuterol on contractile properties and calcium homeostasis in rat extensor digitorum longus muscle. <i>PLoS ONE</i> , 2014 , 9, e100281	3.7	18
45	Neuregulin 1 improves glucose tolerance in adult and old rats. <i>Diabetes and Metabolism</i> , 2016 , 42, 96-104	5.4	17
44	Anti-inflammatory drugs as promising cardiovascular treatments. <i>Expert Review of Cardiovascular Therapy</i> , 2017 , 15, 109-125	2.5	13

43	Mitochondrial oxidative stress induces leaky ryanodine receptor during mechanical ventilation. <i>Free Radical Biology and Medicine</i> , 2020 , 146, 383-391	7.8	13
42	Submillisievert Multiphasic Coronary Computed Tomography Angiography for Pediatric Patients With Congenital Heart Diseases. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008348	3.9	12
41	Adrenergic blockade combined with subcutaneous B-type natriuretic peptide: a promising approach to reduce ventricular arrhythmia in heart failure?. <i>Heart</i> , 2014 , 100, 833-41	5.1	12
40	Stress-induced protein S-glutathionylation and phosphorylation crosstalk in cardiac sarcomeric proteins - Impact on heart function. <i>International Journal of Cardiology</i> , 2018 , 258, 207-216	3.2	11
39	Interplay between Triadin and Calsequestrin in the Pathogenesis of CPVT in the Mouse. <i>Molecular Therapy</i> , 2020 , 28, 171-179	11.7	11
38	Is titin the length sensor in cardiac muscle? Physiological and physiopathological perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 481, 337-48; discussion 348-51	3.6	11
37	DMD Pluripotent Stem Cell Derived Cardiac Cells Recapitulate Human Cardiac Pathophysiology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 535	5.8	10
36	Involvement of Cyclophilin D and Calcium in Isoflurane-induced Preconditioning. <i>Anesthesiology</i> , 2015 , 123, 1374-84	4.3	10
35	Role of defective calcium regulation in cardiorespiratory dysfunction in Huntington's disease. <i>JCI Insight</i> , 2020 , 5,	9.9	10
34	Modeling polymorphic ventricular tachycardia at rest using patient-specific induced pluripotent stem cell-derived cardiomyocytes. <i>EBioMedicine</i> , 2020 , 60, 103024	8.8	10
33	Metformin Reverses the Enhanced Myocardial SR/ER-Mitochondria Interaction and Impaired Complex I-Driven Respiration in Dystrophin-Deficient Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 609493	5.7	10
32	New drug avenues for cardioprotection in patients with acute myocardial infarction. <i>American Journal of Cardiovascular Drugs</i> , 2014 , 14, 73-7	4	9
31	Cardiomyocytes hypertrophic status after myocardial infarction determines distinct types of arrhythmia: role of the ryanodine receptor. <i>Progress in Biophysics and Molecular Biology</i> , 2010 , 103, 71-80	4.7	9
30	Orthophosphate salts induce calcium current recovery from blockade by gadolinium in isolated guinea-pig ventricular myocytes. <i>Experimental Physiology</i> , 1996 , 81, 577-85	2.4	9
29	Effect of ryanodine on cardiac calcium current and calcium channel gating current. <i>Biophysical Journal</i> , 1996 , 70, 370-5	2.9	8
28	Screening for regional contractile defaults to predict the delayed Doxorubicin Cardiotoxicity in Juvenile Rat. <i>Theranostics</i> , 2020 , 10, 8130-8142	12.1	8
27	Altered myofilament structure and function in dogs with Duchenne muscular dystrophy cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 114, 345-353	5.8	7
26	p11 modulates calcium handling through 5-HT _{2B} pathway in rat ventricular cardiomyocytes. <i>Cell Calcium</i> , 2015 , 58, 549-57	4	7

25	Chronic clenbuterol treatment compromises force production without directly altering skeletal muscle contractile machinery. <i>Journal of Physiology</i> , 2015 , 593, 2071-84	3.9	7
24	Fem1a is a mitochondrial protein up-regulated upon ischemia-reperfusion injury. <i>FEBS Letters</i> , 2009 , 583, 1625-30	3.8	7
23	Cardioprotective effect of sonic hedgehog ligand in pig models of ischemia reperfusion. <i>Theranostics</i> , 2020 , 10, 4006-4016	12.1	6
22	Respiratory muscle contractile inactivity induced by mechanical ventilation in piglets leads to leaky ryanodine receptors and diaphragm weakness. <i>Journal of Muscle Research and Cell Motility</i> , 2017 , 38, 17-24	3.5	5
21	A simple method for calibrating collagenase/pronase E ratio to optimize heart cell isolation. <i>Biology of the Cell</i> , 1993 , 79, 161-165	3.5	5
20	Antagonism of Nav channels and β -adrenergic receptors contributes to vascular smooth muscle effects of ranolazine. <i>Scientific Reports</i> , 2015 , 5, 17969	4.9	4
19	Low-dose colchicine prevents sympathetic denervation after myocardial ischemia-reperfusion: a new potential protective mechanism. <i>Future Science OA</i> , 2020 , 7, FSO656	2.7	4
18	AndersenB syndrome mutants produce a knockdown of inwardly rectifying K channel in mouse skeletal muscle in vivo. <i>Cell and Tissue Research</i> , 2018 , 371, 309-323	4.2	3
17	Molecular and Functional Characterization of Uniform-Sized Beating Embryoid Bodies and Cardiomyocytes from Human Embryonic and Induced Pluripotent Stem Cells. <i>Biophysical Journal</i> , 2014 , 106, 565a	2.9	3
16	Reactive Oxygen Species and Muscular Dystrophy 2014 , 3055-3079		3
15	Internal structure and remodeling in dystrophin-deficient cardiomyocytes using second harmonic generation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 30, 102295	6	3
14	Oxygen Is an Ambivalent Factor for the Differentiation of Human Pluripotent Stem Cells in Cardiac 2D Monolayer and 3D Cardiac Spheroids. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
13	Effect of pyridostigmine on in vivo and in vitro respiratory muscle of mdx mice. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 243, 107-114	2.8	2
12	Concomitant systolic and diastolic alterations during chronic hypertension in pig. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 131, 155-163	5.8	2
11	Late Ventilator-Induced Diaphragmatic Dysfunction After Extubation. <i>Critical Care Medicine</i> , 2020 , 48, e1300-e1305	1.4	2
10	Shear Wave Elastography, a New Tool for Diaphragmatic Qualitative Assessment: A Translational Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 797-806	10.2	2
9	The role of ryanodine receptors and consequences of their alterations during cardiac insufficiency. <i>Experimental and Clinical Cardiology</i> , 2005 , 10, 196-9		1
8	"Ryanopathies" and RyR2 dysfunctions: can we further decipher them using in vitro human disease models?. <i>Cell Death and Disease</i> , 2021 , 12, 1041	9.8	1

7	Early Myocardial Dysfunction and Benefits of Cardiac Treatment in Young X-Linked Duchenne Muscular Dystrophy Mice. <i>Cardiovascular Drugs and Therapy</i> , 2021 , 1	3.9	1
6	IP3 receptor orchestrates maladaptive vascular responses in heart failure.. <i>Journal of Clinical Investigation</i> , 2022 , 132,	15.9	1
5	Cellular pathology of the human heart in Duchenne muscular dystrophy (DMD): lessons learned from in vitro modeling. <i>Pflugers Archiv European Journal of Physiology</i> , 2021 , 473, 1099-1115	4.6	0
4	Stabilizing Ryanodine Receptors Improves Left Ventricular Function in Juvenile Dogs With Duchenne Muscular Dystrophy. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 2439-2453	15.1	0
3	Reply concerning "Colchicine in coronary artery disease: Role of anti-inflammatory medications redefined": Prime time for anti-inflammatory agents for the management of cardiovascular diseases. <i>International Journal of Cardiology</i> , 2018 , 254, 52	3.2	
2	Generation of catecholaminergic polymorphic ventricular tachycardia patient-specific induced pluripotent stem cell line.. <i>Stem Cell Research</i> , 2022 , 60, 102727	1.6	
1	Assessment of left ventricular dyssynchrony by speckle tracking echocardiography in children with duchenne muscular dystrophy.. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 38, 79	2.5	