# Alain Lacampagne

## List of Publications by Year in Descending Order



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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 | IP3 receptor orchestrates maladaptive vascular responses in heart failure.. *Journal of Clinical Investigation*, **2022**, 132, | 15.9 | 1 |
| 131 | Generation of catecholaminergic polymorphic ventricular tachycardia patient-specific induced pluripotent stem cell line.. *Stem Cell Research*, **2022**, 60, 102727 | 1.6 | |
| 130 | "Ryanopathies" and RyR2 dysfunctions: can we further decipher them using in vitro human disease models?. *Cell Death and Disease*, **2021**, 12, 1041 | 9.8 | 1 |
| 129 | Early Myocardial Dysfunction and Benefits of Cardiac Treatment in Young X-Linked Duchenne Muscular Dystrophy Mice. *Cardiovascular Drugs and Therapy*, **2021**, 1 | 3.9 | 1 |
| 128 | Cellular pathology of the human heart in Duchenne muscular dystrophy (DMD): lessons learned from in vitro modeling. *Pflugers Archiv European Journal of Physiology*, **2021**, 473, 1099-1115 | 4.6 | 0 |
| 127 | Shear Wave Elastography, a New Tool for Diaphragmatic Qualitative Assessment: A Translational Study. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 204, 797-806 | 10.2 | 2 |
| 126 | Oxygen Is an Ambivalent Factor for the Differentiation of Human Pluripotent Stem Cells in Cardiac 2D Monolayer and 3D Cardiac Spheroids. *International Journal of Molecular Sciences*, **2021**, 22, | 6.3 | 3 |
| 125 | Stabilizing Ryanodine Receptors Improves Left Ventricular Function in Juvenile Dogs With Duchenne Muscular Dystrophy. *Journal of the American College of Cardiology*, **2021**, 78, 2439-2453 | 15.1 | 0 |
| 124 | Assessment of left ventricular dyssynchrony by speckle tracking echocardiography in children with duchenne muscular dystrophy.. *International Journal of Cardiovascular Imaging*, **2021**, 38, 79 | 2.5 | |
| 123 | DMD Pluripotent Stem Cell Derived Cardiac Cells Recapitulate Human Cardiac Pathophysiology. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 535 | 5.8 | 10 |
| 122 | Cardioprotective effect of sonic hedgehog ligand in pig models of ischemia reperfusion. *Theranostics*, **2020**, 10, 4006-4016 | 12.1 | 6 |
| 121 | Role of defective calcium regulation in cardiorespiratory dysfunction in Huntington's disease. *JCI Insight*, **2020**, 5, | 9.9 | 10 |
| 120 | Review: Energy Autonomous Wearable Sensors for Smart Healthcare: A Review. *Journal of the Electrochemical Society*, **2020**, 167, 037516 | 3.9 | 44 |
| 119 | Mitochondrial oxidative stress induces leaky ryanodine receptor during mechanical ventilation. *Free Radical Biology and Medicine*, **2020**, 146, 383-391 | 7.8 | 13 |
| 118 | Modeling polymorphic ventricular tachycardia at rest using patient-specific induced pluripotent stem cell-derived cardiomyocytes. *EBioMedicine*, **2020**, 60, 103024 | 8.8 | 10 |
| 117 | Internal structure and remodeling in dystrophin-deficient cardiomyocytes using second harmonic generation. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 30, 102295 | 6 | 3 |
| 116 | Screening for regional contractile defaults to predict the delayed Doxorubicin Cardiotoxicity in Juvenile Rat. *Theranostics*, **2020**, 10, 8130-8142 | 12.1 | 8 |

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| 115 | Late Ventilator-Induced Diaphragmatic Dysfunction After Extubation. *Critical Care Medicine*, **2020**, 48, e1300-e1305 | 1.4 | 2 |
| 114 | Interplay between Triadin and Calsequestrin in the Pathogenesis of CPVT in the Mouse. *Molecular Therapy*, **2020**, 28, 171-179 | 11.7 | 11 |
| 113 | Low-dose colchicine prevents sympathetic denervation after myocardial ischemia-reperfusion: a new potential protective mechanism. *Future Science OA*, **2020**, 7, FSO656 | 2.7 | 4 |
| 112 | Metformin Reverses the Enhanced Myocardial SR/ER-Mitochondria Interaction and Impaired Complex I-Driven Respiration in Dystrophin-Deficient Mice. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 609493 | 5.7 | 10 |
| 111 | Speckle-Tracking Echocardiography in Children With Duchenne Muscular Dystrophy: A Prospective Multicenter Controlled Cross-Sectional Study. *Journal of the American Society of Echocardiography*, **2019**, 32, 412-422 | 5.8 | 22 |
| 110 | Dystrophin Deficiency Leads to Genomic Instability in Human Pluripotent Stem Cells via NO Synthase-Induced Oxidative Stress. *Cells*, **2019**, 8, | 7.9 | 19 |
| 109 | Concomitant systolic and diastolic alterations during chronic hypertension in pig. *Journal of Molecular and Cellular Cardiology*, **2019**, 131, 155-163 | 5.8 | 2 |
| 108 | Submillisievert Multiphasic Coronary Computed Tomography Angiography for Pediatric Patients With Congenital Heart Diseases. *Circulation: Cardiovascular Imaging*, **2019**, 12, e008348 | 3.9 | 12 |
| 107 | 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. *International Journal of Cardiology*, **2018**, 254, 52 | 3.2 | |
| 106 | Altered myofilament structure and function in dogs with Duchenne muscular dystrophy cardiomyopathy. *Journal of Molecular and Cellular Cardiology*, **2018**, 114, 345-353 | 5.8 | 7 |
| 105 | Stress-induced protein S-glutathionylation and phosphorylation crosstalk in cardiac sarcomeric proteins - Impact on heart function. *International Journal of Cardiology*, **2018**, 258, 207-216 | 3.2 | 11 |
| 104 | Andersen□ syndrome mutants produce a knockdown of inwardly rectifying K channel in mouse skeletal muscle in vivo. *Cell and Tissue Research*, **2018**, 371, 309-323 | 4.2 | 3 |
| 103 | Post-Translational Modifications and Diastolic Calcium Leak Associated to the Novel RyR2-D3638A Mutation Lead to CPVT in Patient-Specific hiPSC-Derived Cardiomyocytes. *Journal of Clinical Medicine*, **2018**, 7, | 5.1 | 20 |
| 102 | Respiratory muscle contractile inactivity induced by mechanical ventilation in piglets leads to leaky ryanodine receptors and diaphragm weakness. *Journal of Muscle Research and Cell Motility*, **2017**, 38, 17-24 | 3.5 | 5 |
| 101 | Interest of colchicine in the treatment of acute myocardial infarct responsible for heart failure in a mouse model. *International Journal of Cardiology*, **2017**, 240, 347-353 | 3.2 | 31 |
| 100 | Amyloid □production is regulated by □2-adrenergic signaling-mediated post-translational modifications of the ryanodine receptor. *Journal of Biological Chemistry*, **2017**, 292, 10153-10168 | 5.4 | 32 |
| 99 | Effect of pyridostigmine on in vivo and in vitro respiratory muscle of mdx mice. *Respiratory Physiology and Neurobiology*, **2017**, 243, 107-114 | 2.8 | 2 |
| 98 | Post-translational remodeling of ryanodine receptor induces calcium leak leading to Alzheimer□ disease-like pathologies and cognitive deficits. *Acta Neuropathologica*, **2017**, 134, 749-767 | 14.3 | 80 |

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| 97 | ER stress disturbs SR/ER-mitochondria Ca transfer: Implications in Duchenne muscular dystrophy. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 2229-2239 | 6.9 | 19 |
| 96 | Anti-inflammatory drugs as promising cardiovascular treatments. *Expert Review of Cardiovascular Therapy*, **2017**, 15, 109-125 | 2.5 | 13 |
| 95 | Carbon monoxide pollution aggravates ischemic heart failure through oxidative stress pathway. *Scientific Reports*, **2017**, 7, 39715 | 4.9 | 20 |
| 94 | The energy disruptor metformin targets mitochondrial integrity via modification of calcium flux in cancer cells. *Scientific Reports*, **2017**, 7, 5040 | 4.9 | 36 |
| 93 | Key role of endothelium in the eNOS-dependent cardioprotection with exercise training. *Journal of Molecular and Cellular Cardiology*, **2017**, 102, 26-30 | 5.8 | 21 |
| 92 | Leaky ryanodine receptors contribute to diaphragmatic weakness during mechanical ventilation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9069-74 | 11.5 | 53 |
| 91 | Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. *Cell Metabolism*, **2016**, 23, 1078-1092 | 24.6 | 204 |
| 90 | Atomic force microscopy combined with human pluripotent stem cell derived cardiomyocytes for biomechanical sensing. *Biosensors and Bioelectronics*, **2016**, 85, 751-757 | 11.8 | 42 |
| 89 | Disruption of calcium transfer from ER to mitochondria links alterations of mitochondria-associated ER membrane integrity to hepatic insulin resistance. *Diabetologia*, **2016**, 59, 614-23 | 10.3 | 85 |
| 88 | Carnitine deficiency induces a short QT syndrome. *Heart Rhythm*, **2016**, 13, 165-74 | 6.7 | 36 |
| 87 | Neuregulin 1 improves glucose tolerance in adult and old rats. *Diabetes and Metabolism*, **2016**, 42, 96-104 | 5.4 | 17 |
| 86 | Increase in Cardiac Ischemia-Reperfusion Injuries in Opa1+/- Mouse Model. *PLoS ONE*, **2016**, 11, e0164066 | 3.7 | 37 |
| 85 | Maintenance of normal blood pressure is dependent on IP3R1-mediated regulation of eNOS. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 8532-7 | 11.5 | 39 |
| 84 | Short-coupled polymorphic ventricular tachycardia at rest linked to a novel ryanodine receptor (RyR2) mutation: leaky RyR2 channels under non-stress conditions. *International Journal of Cardiology*, **2015**, 180, 228-36 | 3.2 | 32 |
| 83 | Activation of Sonic hedgehog signaling in ventricular cardiomyocytes exerts cardioprotection against ischemia reperfusion injuries. *Scientific Reports*, **2015**, 5, 7983 | 4.9 | 39 |
| 82 | Antagonism of Nav channels and 1-adrenergic receptors contributes to vascular smooth muscle effects of ranolazine. *Scientific Reports*, **2015**, 5, 17969 | 4.9 | 4 |
| 81 | p11 modulates calcium handling through 5-HTR pathway in rat ventricular cardiomyocytes. *Cell Calcium*, **2015**, 58, 549-57 | 4 | 7 |
| 80 | Involvement of Cyclophilin D and Calcium in Isoflurane-induced Preconditioning. *Anesthesiology*, **2015**, 123, 1374-84 | 4.3 | 10 |

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| 79 | Nonenzymatic lipid mediators, neuroprostanes, exert the antiarrhythmic properties of docosahexaenoic acid. *Free Radical Biology and Medicine*, **2015**, 86, 269-78 | 7.8 | 52 |
| 78 | Emergence of Orai3 activity during cardiac hypertrophy. *Cardiovascular Research*, **2015**, 105, 248-59 | 9.9 | 28 |
| 77 | Palmitoyl-carnitine increases RyR2 oxidation and sarcoplasmic reticulum Ca2+ leak in cardiomyocytes: Role of adenine nucleotide translocase. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 749-58 | 6.9 | 33 |
| 76 | Chronic clenbuterol treatment compromises force production without directly altering skeletal muscle contractile machinery. *Journal of Physiology*, **2015**, 593, 2071-84 | 3.9 | 7 |
| 75 | Calcium release channel RyR2 regulates insulin release and glucose homeostasis. *Journal of Clinical Investigation*, **2015**, 125, 1968-78 | 15.9 | 120 |
| 74 | TNF-□mediated caspase-8 activation induces ROS production and TRPM2 activation in adult ventricular myocytes. *Cardiovascular Research*, **2014**, 103, 90-9 | 9.9 | 51 |
| 73 | New drug avenues for cardioprotection in patients with acute myocardial infarction. *American Journal of Cardiovascular Drugs*, **2014**, 14, 73-7 | 4 | 9 |
| 72 | □adrenergic blockade combined with subcutaneous B-type natriuretic peptide: a promising approach to reduce ventricular arrhythmia in heart failure?. *Heart*, **2014**, 100, 833-41 | 5.1 | 12 |
| 71 | Atomic force and electron microscopic-based study of sarcolemmal surface of living cardiomyocytes unveils unexpected mitochondrial shift in heart failure. *Journal of Molecular and Cellular Cardiology*, **2014**, 74, 162-72 | 5.8 | 22 |
| 70 | Sepsis is associated with a preferential diaphragmatic atrophy: a critically ill patient study using tridimensional computed tomography. *Anesthesiology*, **2014**, 120, 1182-91 | 4.3 | 57 |
| 69 | Human pluripotent stem cell-derived cardiomyocytes as research and therapeutic tools. *BioMed Research International*, **2014**, 2014, 512831 | 3 | 39 |
| 68 | Molecular and Functional Characterization of Uniform-Sized Beating Embryoid Bodies and Cardiomyocytes from Human Embryonic and Induced Pluripotent Stem Cells. *Biophysical Journal*, **2014**, 106, 565a | 2.9 | 3 |
| 67 | Forced aggregation and defined factors allow highly uniform-sized embryoid bodies and functional cardiomyocytes from human embryonic and induced pluripotent stem cells. *Heart and Vessels*, **2014** , 29, 834-46 | 2.1 | 33 |
| 66 | Effects of chronic administration of clenbuterol on contractile properties and calcium homeostasis in rat extensor digitorum longus muscle. *PLoS ONE*, **2014**, 9, e100281 | 3.7 | 18 |
| 65 | Reactive Oxygen Species and Muscular Dystrophy **2014**, 3055-3079 | | 3 |
| 64 | Depressing mitochondria-reticulum interactions protects cardiomyocytes from lethal hypoxia-reoxygenation injury. *Circulation*, **2013**, 128, 1555-65 | 16.7 | 159 |
| 63 | Type 2 ryanodine receptor: a novel therapeutic target in myocardial ischemia/reperfusion. *Pharmacology & Therapeutics*, **2013**, 138, 323-32 | 13.9 | 31 |
| 62 | Subendocardial increase in reactive oxygen species production affects regional contractile function in ischemic heart failure. *Antioxidants and Redox Signaling*, **2013**, 18, 1009-20 | 8.4 | 20 |

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| 61 | Muscle mitochondrial metabolism and calcium signaling impairment in patients treated with statins. *Toxicology and Applied Pharmacology*, **2012**, 259, 263-8 | 4.6 | 68 |
| 60 | AMPK activation stimulates autophagy and ameliorates muscular dystrophy in the mdx mouse diaphragm. *American Journal of Pathology*, **2012**, 181, 583-92 | 5.8 | 151 |
| 59 | Absence of triadin, a protein of the calcium release complex, is responsible for cardiac arrhythmia with sudden death in human. *Human Molecular Genetics*, **2012**, 21, 2759-67 | 5.6 | 199 |
| 58 | Regulation of cAMP homeostasis by the efflux protein MRP4 in cardiac myocytes. *FASEB Journal*, **2012**, 26, 1009-17 | 0.9 | 54 |
| 57 | Effect of a high dose of simvastatin on muscle mitochondrial metabolism and calcium signaling in healthy volunteers. *Toxicology and Applied Pharmacology*, **2012**, 263, 281-6 | 4.6 | 37 |
| 56 | Rapid onset of specific diaphragm weakness in a healthy murine model of ventilator-induced diaphragmatic dysfunction. *Anesthesiology*, **2012**, 117, 560-7 | 4.3 | 45 |
| 55 | Functional evidence for an active role of B-type natriuretic peptide in cardiac remodelling and pro-arrhythmogenicity. *Cardiovascular Research*, **2012**, 95, 59-68 | 9.9 | 24 |
| 54 | Bradykinin restores left ventricular function, sarcomeric protein phosphorylation, and e/nNOS levels in dogs with Duchenne muscular dystrophy cardiomyopathy. *Cardiovascular Research*, **2012**, 95, 86-96 | 9.9 | 23 |
| 53 | Ryanodine receptor oxidation causes intracellular calcium leak and muscle weakness in aging. *Cell Metabolism*, **2011**, 14, 196-207 | 24.6 | 254 |
| 52 | Mitochondrial production of reactive oxygen species contributes to the β-adrenergic stimulation of mouse cardiomycytes. *Journal of Physiology*, **2011**, 589, 1791-801 | 3.9 | 92 |
| 51 | Regional variation in myofilament length-dependent activation. *Pflugers Archiv European Journal of Physiology*, **2011**, 462, 15-28 | 4.6 | 21 |
| 50 | Carbon monoxide exposure enhances arrhythmia after cardiac stress: involvement of oxidative stress. *Basic Research in Cardiology*, **2011**, 106, 1235-46 | 11.8 | 21 |
| 49 | Ryanodine receptor leak mediated by caspase-8 activation leads to left ventricular injury after myocardial ischemia-reperfusion. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 13258-63 | 11.5 | 77 |
| 48 | Beneficial effects of SR33805 in failing myocardium. *Cardiovascular Research*, **2011**, 91, 412-9 | 9.9 | 20 |
| 47 | Targeting neonatal ischemic brain injury with a pentapeptide-based irreversible caspase inhibitor. *Cell Death and Disease*, **2011**, 2, e203 | 9.8 | 34 |
| 46 | Rapidly progressive diaphragmatic weakness and injury during mechanical ventilation in humans. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 183, 364-71 | 10.2 | 433 |
| 45 | Critical role for stromal interaction molecule 1 in cardiac hypertrophy. *Circulation*, **2011**, 124, 796-805 | 16.7 | 124 |
| 44 | Cellular in vivo imaging reveals coordinated regulation of pituitary microcirculation and GH cell network function. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 4465-70 | 11.5 | 60 |

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| 43 | Leaky RyR2 trigger ventricular arrhythmias in Duchenne muscular dystrophy. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1559-64 | 11.5 | 163 |
| 42 | Cardiomyocytes hypertrophic status after myocardial infarction determines distinct types of arrhythmia: role of the ryanodine receptor. *Progress in Biophysics and Molecular Biology*, **2010**, 103, 71-80 | 4.7 | 9 |
| 41 | The cAMP binding protein Epac regulates cardiac myofilament function. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 14144-9 | 11.5 | 72 |
| 40 | Late exercise training improves non-uniformity of transmural myocardial function in rats with ischaemic heart failure. *Cardiovascular Research*, **2009**, 81, 555-64 | 9.9 | 41 |
| 39 | Fem1a is a mitochondrial protein up-regulated upon ischemia-reperfusion injury. *FEBS Letters*, **2009** , 583, 1625-30 | 3.8 | 7 |
| 38 | Hypernitrosylated ryanodine receptor calcium release channels are leaky in dystrophic muscle. *Nature Medicine*, **2009**, 15, 325-30 | 50.5 | 371 |
| 37 | New insights into mechanisms of statin-associated myotoxicity. *Current Opinion in Pharmacology*, **2008**, 8, 333-8 | 5.1 | 123 |
| 36 | Remodeling of ryanodine receptor complex causes "leaky" channels: a molecular mechanism for decreased exercise capacity. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 2198-202 | 11.5 | 235 |
| 35 | ATP/UTP activate cation-permeable channels with TRPC3/7 properties in rat cardiomyocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H21-8 | 5.2 | 34 |
| 34 | Blebbistatin: use as inhibitor of muscle contraction. *Pflugers Archiv European Journal of Physiology*, **2008**, 455, 995-1005 | 4.6 | 82 |
| 33 | Differential localization of autolyzed calpains 1 and 2 in slow and fast skeletal muscles in the early phase of atrophy. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C1723-31 | 5.4 | 26 |
| 32 | Effects of intermittent femoral nerve injections of bupivacaine, levobupivacaine, and ropivacaine on mitochondrial energy metabolism and intracellular calcium homeostasis in rat psoas muscle. *Anesthesiology*, **2007**, 106, 1026-34 | 4.3 | 44 |
| 31 | Length and protein kinase A modulations of myocytes in cardiac myosin binding protein C-deficient mice. *Cardiovascular Research*, **2006**, 69, 370-80 | 9.9 | 107 |
| 30 | Effects of high-altitude exercise training on contractile function of rat skinned cardiomyocyte. *Cardiovascular Research*, **2006**, 71, 652-60 | 9.9 | 18 |
| 29 | Simvastatin triggers mitochondria-induced Ca2+ signaling alteration in skeletal muscle. *Biochemical and Biophysical Research Communications*, **2005**, 329, 1067-75 | 3.4 | 121 |
| 28 | Simvastatin induces impairment in skeletal muscle while heart is protected. *Biochemical and Biophysical Research Communications*, **2005**, 338, 1426-34 | 3.4 | 92 |
| 27 | Frequency-dependent and proarrhythmogenic effects of FK-506 in rat ventricular cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 288, H778-86 | 5.2 | 26 |
| 26 | Ca2+-dependent reduction of IK1 in rat ventricular cells: a novel paradigm for arrhythmia in heart failure?. *Cardiovascular Research*, **2005**, 68, 204-12 | 9.9 | 44 |

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| 25 | Triadins are not triad-specific proteins: two new skeletal muscle triadins possibly involved in the architecture of sarcoplasmic reticulum. *Journal of Biological Chemistry*, **2005**, 280, 28601-9 | 5.4 | 31 |
| 24 | Effects of diabetes on ryanodine receptor Ca release channel (RyR2) and Ca2+ homeostasis in rat heart. *Diabetes*, **2005**, 54, 3082-8 | 0.9 | 135 |
| 23 | Transmural stretch-dependent regulation of contractile properties in rat heart and its alteration after myocardial infarction. *FASEB Journal*, **2005**, 19, 88-90 | 0.9 | 66 |
| 22 | Revealing the large-scale network organization of growth hormone-secreting cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16880-5 | 11.5 | 129 |
| 21 | The role of ryanodine receptors and consequences of their alterations during cardiac insufficiency. *Experimental and Clinical Cardiology*, **2005**, 10, 196-9 | | 1 |
| 20 | Defects in ryanodine receptor calcium release in skeletal muscle from post-myocardial infarct rats. *FASEB Journal*, **2003**, 17, 1517-9 | 0.9 | 71 |
| 19 | Intracellular Cs+ activates the PKA pathway, revealing a fast, reversible, Ca2+-dependent inactivation of L-type Ca2+ current. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C310-8 | 5.4 | 21 |
| 18 | SR33805, a Ca2+ antagonist with length-dependent Ca2+ -sensitizing properties in cardiac myocytes. *British Journal of Pharmacology*, **2003**, 139, 99-108 | 8.6 | 25 |
| 17 | PKA phosphorylation activates the calcium release channel (ryanodine receptor) in skeletal muscle: defective regulation in heart failure. *Journal of Cell Biology*, **2003**, 160, 919-28 | 7.3 | 195 |
| 16 | Hidden face of the anterior pituitary. *Trends in Endocrinology and Metabolism*, **2002**, 13, 304-9 | 8.8 | 52 |
| 15 | Two mechanisms for termination of individual Ca2+ sparks in skeletal muscle. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 7823-8 | 11.5 | 33 |
| 14 | gamma-aminobutyric acid type B receptors are expressed and functional in mammalian cardiomyocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 8664-9 | 11.5 | 27 |
| 13 | Is titin the length sensor in cardiac muscle? Physiological and physiopathological perspectives. *Advances in Experimental Medicine and Biology*, **2000**, 481, 337-48; discussion 348-51 | 3.6 | 11 |
| 12 | Time course of individual Ca2+ sparks in frog skeletal muscle recorded at high time resolution. *Journal of General Physiology*, **1999**, 113, 187-98 | 3.4 | 53 |
| 11 | A repetitive mode of activation of discrete Ca2+ release events (Ca2+ sparks) in frog skeletal muscle fibres. *Journal of Physiology*, **1999**, 515 ( Pt 2), 391-411 | 3.9 | 26 |
| 10 | Modulation of the frequency of spontaneous sarcoplasmic reticulum Ca2+ release events (Ca2+ sparks) by myoplasmic [Mg2+] in frog skeletal muscle. *Journal of General Physiology*, **1998**, 111, 207-24 | 3.4 | 56 |
| 9 | Voltage dependence of the pattern and frequency of discrete Ca2+ release events after brief repriming in frog skeletal muscle. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 11061-6 | 11.5 | 44 |
| 8 | Effect of ryanodine on cardiac calcium current and calcium channel gating current. *Biophysical Journal*, **1996**, 70, 370-5 | 2.9 | 8 |

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| 7 | Orthophosphate salts induce calcium current recovery from blockade by gadolinium in isolated guinea-pig ventricular myocytes. *Experimental Physiology*, **1996**, 81, 577-85 | 2.4 | 9 |
| 6 | Repriming and activation alter the frequency of stereotyped discrete Ca2+ release events in frog skeletal muscle. *Journal of Physiology*, **1996**, 497 ( Pt 3), 581-8 | 3.9 | 32 |
| 5 | Effect of sulfhydryl oxidation on ionic and gating currents associated with L-type calcium channels in isolated guinea-pig ventricular myocytes. *Cardiovascular Research*, **1995**, 30, 799-806 | 9.9 | 23 |
| 4 | The stretch-activated ion channel blocker gadolinium also blocks L-type calcium channels in isolated ventricular myocytes of the guinea-pig. *Biochimica Et Biophysica Acta - Biomembranes*, **1994** , 1191, 205-8 | 3.8 | 109 |
| 3 | Streptomycin reverses a large stretch induced increases in [Ca2+]i in isolated guinea pig ventricular myocytes. *Cardiovascular Research*, **1994**, 28, 1193-8 | 9.9 | 94 |
| 2 | A simple method for calibrating collagenase/pronase E ratio to optimize heart cell isolation. *Biology of the Cell*, **1993**, 79, 161-5 | 3.5 | 20 |
| 1 | A simple method for calibrating collagenase/pronase E ratio to optimize heart cell isolation. *Biology of the Cell*, **1993**, 79, 161-165 | 3.5 | 5 |