

# David Allen

## List of Publications by Year in descending order

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136  
papers

15,525  
citations

13854

67  
h-index

16636

123  
g-index

146  
all docs

146  
docs citations

146  
times ranked

10468  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Skeletal Muscle Fatigue: Cellular Mechanisms. <i>Physiological Reviews</i> , 2008, 88, 287-332.   | 13.1 | 1,740     |
| 2  | Fibroblasts Can Be Genetically Modified to Produce Excitable Cells Capable of Electrical Coupling. <i>Circulation</i> , 2005, 111, 394-398.   | 1.6  | 614       |
| 3  | The cellular basis of the length-tension relation in cardiac muscle. <i>Journal of Molecular and Cellular Cardiology</i> , 1985, 17, 821-840.   | 0.9  | 537       |
| 4  | The effects of muscle length on intracellular calcium transients in mammalian cardiac muscle.. <i>Journal of Physiology</i> , 1982, 327, 79-94.   | 1.3  | 519       |
| 5  | Myocardial contractile function during ischemia and hypoxia.. <i>Circulation Research</i> , 1987, 60, 153-168.  | 2.0  | 500       |
| 6  | Calcium transients in aequorin-injected frog cardiac muscle. <i>Nature</i> , 1978, 273, 509-513.  | 13.7 | 433       |
| 7  | Skeletal muscle hypertrophy is mediated by a Ca <sup>2+</sup> -dependent calcineurin signalling pathway. <i>Nature</i> , 1999, 400, 576-581.  | 13.7 | 418       |
| 8  | Effect of hydrogen peroxide and dithiothreitol on contractile function of single skeletal muscle fibres from the mouse. <i>Journal of Physiology</i> , 1998, 509, 565-575.  | 1.3  | 347       |
| 9  | Changes of myoplasmic calcium concentration during fatigue in single mouse muscle fibers.. <i>Journal of General Physiology</i> , 1991, 98, 615-635.  | 0.9  | 340       |
| 10 | Absence of Dystrophin Disrupts Skeletal Muscle Signaling: Roles of Ca <sup>2+</sup> , Reactive Oxygen Species, and Nitric Oxide in the Development of Muscular Dystrophy. <i>Physiological Reviews</i> , 2016, 96, 253-305. | 13.1 | 310       |
| 11 | Muscle cell function during prolonged activity: cellular mechanisms of fatigue. <i>Experimental Physiology</i> , 1995, 80, 497-527.   | 0.9  | 265       |
| 12 | A nuclear magnetic resonance study of metabolism in the ferret heart during hypoxia and inhibition of glycolysis.. <i>Journal of Physiology</i> , 1985, 361, 185-204.   | 1.3  | 256       |
| 13 | Intracellular calcium concentration during low-frequency fatigue in isolated single fibers of mouse skeletal muscle. <i>Journal of Applied Physiology</i> , 1993, 75, 382-388.  | 1.2  | 245       |
| 14 | Effects of stretch-activated channel blockers on [Ca <sup>2+</sup> ] <sub>i</sub> and muscle damage in the mdx mouse. <i>Journal of Physiology</i> , 2005, 562, 367-380.  | 1.3  | 245       |
| 15 | Early events in stretch-induced muscle damage. <i>Journal of Applied Physiology</i> , 1999, 87, 2007-2015.  | 1.2  | 240       |
| 16 | MUSCLE DAMAGE IN MDX (DYSTROPHIC) MICE: ROLE OF CALCIUM AND REACTIVE OXYGEN SPECIES. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 657-662.  | 0.9  | 238       |
| 17 | Muscle Fatigue: Lactic Acid or Inorganic Phosphate the Major Cause?. <i>Physiology</i> , 2002, 17, 17-21.   | 1.6  | 229       |
| 18 | Role of phosphate and calcium stores in muscle fatigue. <i>Journal of Physiology</i> , 2001, 536, 657-665.  | 1.3  | 212       |

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|----|--|-----|-----------|
| 19 | Acetylcysteine ameliorates skeletal muscle pathophysiology in mdx mice. <i>Journal of Physiology</i> , 2008, 586, 2003-2014.   | 1.3 | 200       |
| 20 | Intracellular calcium and tension during fatigue in isolated single muscle fibres from <i>Xenopus laevis</i> . <i>Journal of Physiology</i> , 1989, 415, 433-458.  | 1.3 | 184       |
| 21 | Impaired calcium release during fatigue. <i>Journal of Applied Physiology</i> , 2008, 104, 296-305.  | 1.2 | 175       |
| 22 | Eccentric muscle damage: mechanisms of early reduction of force. <i>Acta Physiologica Scandinavica</i> , 2001, 171, 311-319.   | 2.3 | 170       |
| 23 | Effects of reduced muscle glycogen concentration on force, Ca <sup>2+</sup> release and contractile protein function in intact mouse skeletal muscle. <i>Journal of Physiology</i> , 1997, 498, 17-29.                             | 1.3 | 163       |
| 24 | Intracellular calcium and force in single mouse muscle fibres following repeated contractions with stretch. <i>Journal of Physiology</i> , 1995, 488, 25-36.   | 1.3 | 161       |
| 25 | Skeletal Muscle NADPH Oxidase Is Increased and Triggers Stretch-Induced Damage in the mdx Mouse. <i>PLoS ONE</i> , 2010, 5, e15354.  | 1.1 | 156       |
| 26 | Mechanisms of stretch-induced muscle damage in normal and dystrophic muscle: role of ionic changes. <i>Journal of Physiology</i> , 2005, 567, 723-735.   | 1.3 | 155       |
| 27 | TRPC1 binds to caveolin-3 and is regulated by Src kinase – role in Duchenne muscular dystrophy. <i>Journal of Cell Science</i> , 2008, 121, 2246-2255.   | 1.2 | 153       |
| 28 | Intracellular calcium handling in ventricular myocytes from mdx mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H846-H855.   | 1.5 | 151       |
| 29 | Calcium and the damage pathways in muscular dystrophy This article is one of a selection of papers published in this special issue on Calcium Signaling. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010, 88, 83-91. | 0.7 | 151       |
| 30 | The role of elevations in intracellular [Ca <sup>2+</sup> ] in the development of low frequency fatigue in mouse single muscle fibres. <i>Journal of Physiology</i> , 1996, 491, 813-824.  | 1.3 | 143       |
| 31 | [31] Practical aspects of the use of aequorin as a calcium indicator: Assay, preparation, microinjection, and interpretation of signals. <i>Methods in Enzymology</i> , 1978, , 292-328.   | 0.4 | 141       |
| 32 | The role of reactive oxygen species in the hearts of dystrophin-deficient mdx mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1969-H1977.   | 1.5 | 141       |
| 33 | Reactive oxygen species reduce myofibrillar Ca <sup>2+</sup> -sensitivity in fatiguing mouse skeletal muscle at 37°C. <i>Journal of Physiology</i> , 2005, 564, 189-199.   | 1.3 | 134       |
| 34 | Calcium concentration in the myoplasm of skinned ferret ventricular muscle following changes in muscle length. <i>Journal of Physiology</i> , 1988, 407, 489-503.  | 1.3 | 132       |
| 35 | C2C12 Co-culture on a fibroblast substratum enables sustained survival of contractile, highly differentiated myotubes with peripheral nuclei and adult fast myosin expression. <i>Cytoskeleton</i> , 2004, 58, 200-211.            | 4.4 | 129       |
| 36 | Myoplasmic free Mg <sup>2+</sup> concentration during repetitive stimulation of single fibres from mouse skeletal muscle. <i>Journal of Physiology</i> , 1992, 453, 413-434.   | 1.3 | 126       |

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|----|---|-----|-----------|
| 37 | Intracellular calcium and Na <sup>+</sup> Ca <sup>2+</sup> exchange current in isolated toad pacemaker cells. <i>Journal of Physiology</i> , 1998, 508, 153-166.                            | 1.3 | 125       |
| 38 | Functional significance of Ca <sup>2+</sup> in long-lasting fatigue of skeletal muscle. <i>European Journal of Applied Physiology</i> , 2000, 83, 166-174.                                  | 1.2 | 124       |
| 39 | The effects of caffeine on intracellular calcium, force and the rate of relaxation of mouse skeletal muscle.. <i>Journal of Physiology</i> , 1995, 487, 331-342.                            | 1.3 | 122       |
| 40 | Store-Operated Ca <sup>2+</sup> Influx and Expression of TRPC Genes in Mouse Sinoatrial Node. <i>Circulation Research</i> , 2007, 100, 1605-1614.   | 2.0 | 119       |
| 41 | The contribution of [Ca <sup>2+</sup> ] <sub>i</sub> to the slowing of relaxation in fatigued single fibres from mouse skeletal muscle.. <i>Journal of Physiology</i> , 1993, 468, 729-740. | 1.3 | 117       |
| 42 | Effect of nitric oxide on single skeletal muscle fibres from the mouse. <i>Journal of Physiology</i> , 1998, 509, 577-586.  | 1.3 | 115       |
| 43 | SKELETAL MUSCLE FUNCTION: ROLE OF IONIC CHANGES IN FATIGUE, DAMAGE AND DISEASE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2004, 31, 485-493.                           | 0.9 | 112       |
| 44 | Role of the cardiac Na <sup>+</sup> /H <sup>+</sup> exchanger during ischemia and reperfusion. <i>Cardiovascular Research</i> , 2003, 57, 934-941.  | 1.8 | 107       |
| 45 | Spatial gradients of intracellular calcium in skeletal muscle during fatigue. <i>Pflugers Archiv European Journal of Physiology</i> , 1990, 415, 734-740.                                   | 1.3 | 104       |
| 46 | Duchenne muscular dystrophy – What causes the increased membrane permeability in skeletal muscle?. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 290-294.       | 1.2 | 103       |
| 47 | The relationship between intracellular calcium and contraction in calcium-overloaded ferret papillary muscles.. <i>Journal of Physiology</i> , 1985, 364, 169-182.                          | 1.3 | 102       |
| 48 | Stretch-activated channels in the heart: Contributions to length-dependence and to cardiomyopathy. <i>Progress in Biophysics and Molecular Biology</i> , 2008, 97, 232-249.                 | 1.4 | 102       |
| 49 | Emerging Roles of ROS/RNS in Muscle Function and Fatigue. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 2487-2499.  | 2.5 | 102       |
| 50 | Role of intracellular calcium and metabolites in low-frequency fatigue of mouse skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 1997, 272, C550-C559.            | 2.1 | 100       |
| 51 | The consequences of simulated ischaemia on intracellular Ca <sup>2+</sup> and tension in isolated ferret ventricular muscle.. <i>Journal of Physiology</i> , 1989, 410, 297-323.            | 1.3 | 99        |
| 52 | The role of sarcoplasmic reticulum in relaxation of mouse muscle; effects of 2,5-di(tert-butyl)-1,4-benzohydroquinone.. <i>Journal of Physiology</i> , 1994, 474, 291-301.                  | 1.3 | 99        |
| 53 | The contribution of pH-dependent mechanisms to fatigue at different intensities in mammalian single muscle fibres. <i>Journal of Physiology</i> , 1998, 512, 831-840.                       | 1.3 | 99        |
| 54 | The effects of low sodium solutions on intracellular calcium concentration and tension in ferret ventricular muscle.. <i>Journal of Physiology</i> , 1983, 345, 391-407.                    | 1.3 | 96        |

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|----|--|-----|-----------|
| 55 | Streptomycin reduces stretch-induced membrane permeability in muscles from mdx mice. <i>Neuromuscular Disorders</i> , 2006, 16, 845-854.   | 0.3 | 91        |
| 56 | Role of Na <sup>+</sup> /H <sup>+</sup> Exchanger During Ischemia and Preconditioning in the Isolated Rat Heart. <i>Circulation Research</i> , 1999, 85, 723-730.  | 2.0 | 86        |
| 57 | Recent advances in the understanding of skeletal muscle fatigue. <i>Current Opinion in Rheumatology</i> , 2002, 14, 648-652.   | 2.0 | 86        |
| 58 | Metabolic changes during ischaemia and their role in contractile failure in isolated ferret hearts.. <i>Journal of Physiology</i> , 1992, 454, 467-490.  | 1.3 | 83        |
| 59 | The influence of intracellular pH on contraction, relaxation and [Ca <sup>2+</sup> ] <sub>i</sub> in intact single fibres from mouse muscle. <i>Journal of Physiology</i> , 1993, 466, 611-28.                 | 1.3 | 81        |
| 60 | Caveolae respond to cell stretch and contribute to stretch-induced signaling. <i>Journal of Cell Science</i> , 2011, 124, 3581-3590.   | 1.2 | 78        |
| 61 | Iron injections in mice increase skeletal muscle iron content, induce oxidative stress and reduce exercise performance. <i>Experimental Physiology</i> , 2009, 94, 720-730.                                    | 0.9 | 77        |
| 62 | Gadolinium reduces short-term stretch-induced muscle damage in isolated mdx mouse muscle fibres. <i>Journal of Physiology</i> , 2003, 552, 449-458.  | 1.3 | 76        |
| 63 | Slowed Relaxation in Fatigued Skeletal Muscle Fibers of Xenopus and Mouse. <i>Journal of General Physiology</i> , 1997, 109, 385-399.  | 0.9 | 74        |
| 64 | Cellular Mechanisms of Skeletal Muscle Fatigue. <i>Advances in Experimental Medicine and Biology</i> , 2003, 538, 563-571.   | 0.8 | 74        |
| 65 | Changes of intracellular pH due to repetitive stimulation of single fibres from mouse skeletal muscle.. <i>Journal of Physiology</i> , 1992, 449, 49-71.   | 1.3 | 73        |
| 66 | The effects of intracellular injections of phosphate on intracellular calcium and force in single fibres of mouse skeletal muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 431, 964-970. | 1.3 | 70        |
| 67 | The effects of changes in muscle length during diastole on the calcium transient in ferret ventricular muscle.. <i>Journal of Physiology</i> , 1988, 406, 359-370.   | 1.3 | 67        |
| 68 | Activity of the Na <sup>+</sup> /H <sup>+</sup> exchanger is critical to reperfusion damage and preconditioning in the isolated rat heart. <i>Cardiovascular Research</i> , 2000, 48, 244-253.                 | 1.8 | 67        |
| 69 | The use of the indicator fluo-5N to measure sarcoplasmic reticulum calcium in single muscle fibres of the cane toad. <i>Journal of Physiology</i> , 2001, 534, 87-97.  | 1.3 | 67        |
| 70 | Why did the NHE inhibitor clinical trials fail?. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 137-141.  | 0.9 | 67        |
| 71 | Changes in intracellular free calcium concentration during long exposures to simulated ischemia in isolated mammalian ventricular muscle.. <i>Circulation Research</i> , 1992, 71, 58-69.                      | 2.0 | 65        |
| 72 | Evidence for Na <sup>+</sup> /Ca <sup>2+</sup> exchange in intact single skeletal muscle fibers from the mouse. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C940-C946.                | 2.1 | 64        |

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|----|--|-----|-----------|
| 73 | How does $\beta_2$ -adrenergic stimulation increase the heart rate? The role of intracellular $\text{Ca}^{2+}$ release in amphibian pacemaker cells. <i>Journal of Physiology</i> , 1999, 516, 793-804.                    | 1.3 | 62        |
| 74 | Role of the calcium-calpain pathway in cytoskeletal damage after eccentric contractions. <i>Journal of Applied Physiology</i> , 2008, 105, 352-357.  | 1.2 | 61        |
| 75 | Distribution of sarcomere length and intracellular calcium in mouse skeletal muscle following stretch-induced injury. <i>Journal of Physiology</i> , 1997, 502, 649-659.   | 1.3 | 58        |
| 76 | Changes in intracellular $\text{Na}^+$ and pH in rat heart during ischemia: role of $\text{Na}^+/\text{H}^+$ exchanger. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 276, H1581-H1590. | 1.5 | 56        |
| 77 | Muscle Fatigue: The Role of Intracellular Calcium Stores. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2002, 27, 83-96.  | 1.7 | 55        |
| 78 | Development of T-tubular vacuoles in eccentrically damaged mouse muscle fibres. <i>Journal of Physiology</i> , 2002, 540, 581-592.   | 1.3 | 55        |
| 79 | The activity-induced reduction of myofibrillar $\text{Ca}^{2+}$ sensitivity in mouse skeletal muscle is reversed by dithiothreitol. <i>Journal of Physiology</i> , 2006, 571, 191-200.                                     | 1.3 | 54        |
| 80 | Role of Excitation-Contraction Coupling in Muscle Fatigue*. <i>Sports Medicine</i> , 1992, 13, 116-126.  | 3.1 | 53        |
| 81 | Pathways of $\text{Ca}^{2+}$ entry and cytoskeletal damage following eccentric contractions in mouse skeletal muscle. <i>Journal of Applied Physiology</i> , 2012, 112, 2077-2086.   | 1.2 | 53        |
| 82 | The role of calcium stores in fatigue of isolated single muscle fibres from the cane toad. <i>Journal of Physiology</i> , 1999, 519, 169-176.  | 1.3 | 52        |
| 83 | Changes in myoplasmic pH and calcium concentration during exposure to lactate in isolated rat ventricular myocytes. <i>Journal of Physiology</i> , 1993, 464, 561-574.   | 1.3 | 51        |
| 84 | Regulation of murine cardiac contractility by activation of $\beta_1$ -adrenergic receptor-operated $\text{Ca}^{2+}$ entry. <i>Cardiovascular Research</i> , 2011, 91, 310-319.  | 1.8 | 47        |
| 85 | Distribution and Functional Role of Inositol 1,4,5- <i>tris</i> phosphate Receptors in Mouse Sinoatrial Node. <i>Circulation Research</i> , 2011, 109, 848-857.  | 2.0 | 45        |
| 86 | Changes of tension and $[\text{Ca}^{2+}]_i$ during $\beta$ -adrenoceptor activation of single, intact fibres from mouse skeletal muscle. <i>Pflügers Archiv European Journal of Physiology</i> , 1993, 425, 150-155.       | 1.3 | 43        |
| 87 | The multiple roles of phosphate in muscle fatigue. <i>Frontiers in Physiology</i> , 2012, 3, 463.  | 1.3 | 42        |
| 88 | RNA Binding Protein QKI Inhibits the Ischemia/reperfusion-induced Apoptosis in Neonatal Cardiomyocytes. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 593-602.   | 1.1 | 41        |
| 89 | P2X7 Receptors Mediate Innate Phagocytosis by Human Neural Precursor Cells and Neuroblasts. <i>Stem Cells</i> , 2015, 33, 526-541.   | 1.4 | 40        |
| 90 | The effects of hypertonicity on tension and intracellular calcium concentration in ferret ventricular muscle. <i>Journal of Physiology</i> , 1987, 383, 425-439.   | 1.3 | 39        |

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|-----|---|-----|-----------|
| 91  | Intracellular sodium in mammalian muscle fibers after eccentric contractions. <i>Journal of Applied Physiology</i> , 2003, 94, 2475-2482.   | 1.2 | 39        |
| 92  | Fibroblasts modulate cardiomyocyte excitability: implications for cardiac gene therapy. <i>Gene Therapy</i> , 2006, 13, 1611-1615.  | 2.3 | 37        |
| 93  | The metabolic consequences of an increase in the frequency of stimulation in isolated ferret hearts.. <i>Journal of Physiology</i> , 1994, 474, 147-159.  | 1.3 | 36        |
| 94  | Interactions between intracellular calcium and phosphate in intact mouse muscle during fatigue. <i>Journal of Applied Physiology</i> , 2011, 111, 358-366.                                      | 1.2 | 36        |
| 95  | Calmodulin kinase modulates Ca <sup>2+</sup> release in mouse skeletal muscle. <i>Journal of Physiology</i> , 2003, 551, 5-12.  | 1.3 | 34        |
| 96  | Molecular insights from a novel cardiac troponin I mouse model of familial hypertrophic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 623-632.                | 0.9 | 33        |
| 97  | The Role of Intracellular Acidosis in Muscle Fatigue. <i>Advances in Experimental Medicine and Biology</i> , 1995, 384, 57-68.  | 0.8 | 33        |
| 98  | Store-Operated Ca <sup>2+</sup> Entry and TRPC Expression; Possible Roles in Cardiac Pacemaker Tissue. <i>Heart Lung and Circulation</i> , 2007, 16, 349-355.                                   | 0.2 | 31        |
| 99  | Fatigue in working muscles. <i>Journal of Applied Physiology</i> , 2009, 106, 358-359.  | 1.2 | 30        |
| 100 | Measurement of sarcoplasmic reticulum Ca <sup>2+</sup> -content in intact amphibian skeletal muscle fibres with 4-chloro-m-cresol. <i>Cell Calcium</i> , 1999, 25, 227-235.                     | 1.1 | 28        |
| 101 | Stretch-Induced Membrane Damage in Muscle: Comparison of Wild-Type and mdx Mice. <i>Advances in Experimental Medicine and Biology</i> , 2010, 682, 297-313.                                     | 0.8 | 28        |
| 102 | Effect of eccentric contraction-induced injury on force and intracellular pH in rat skeletal muscles. <i>Journal of Applied Physiology</i> , 2002, 92, 93-99.                                   | 1.2 | 27        |
| 103 | The rise of [Na <sup>+</sup> ] <sub>i</sub> during ischemia and reperfusion in the rat heart—underlying mechanisms. <i>Pflügers Archiv European Journal of Physiology</i> , 2007, 454, 903-912. | 1.3 | 27        |
| 104 | Intracellular ATP measured with luciferin/luciferase in isolated single mouse skeletal muscle fibres. <i>Pflügers Archiv European Journal of Physiology</i> , 2002, 443, 836-842.               | 1.3 | 25        |
| 105 | Intracellular calcium during fatigue of cane toad skeletal muscle in the absence of glucose. <i>Journal of Muscle Research and Cell Motility</i> , 2000, 21, 481-489.                           | 0.9 | 24        |
| 106 | Store-operated calcium entry and the localization of STIM1 and Orai1 proteins in isolated mouse sinoatrial node cells. <i>Frontiers in Physiology</i> , 2015, 6, 69.                            | 1.3 | 23        |
| 107 | Inositol 1,4,5-trisphosphate receptors and pacemaker rhythms. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 375-381.  | 0.9 | 22        |
| 108 | Time to fatigue is increased in mouse muscle at 37°C; the role of iron and reactive oxygen species. <i>Journal of Physiology</i> , 2009, 587, 4705-4716.  | 1.3 | 20        |

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|-----|---|-----|-----------|
| 109 | The involvement of TRPC3 channels in sinoatrial arrhythmias. <i>Frontiers in Physiology</i> , 2015, 6, 86.  | 1.3 | 20        |
| 110 | Changes in myoplasmic sodium concentration during exposure to lactate in perfused rat heart. <i>Cardiovascular Research</i> , 1994, 28, 987-993.  | 1.8 | 19        |
| 111 | The role of endogenous angiotensin II in ischaemia, reperfusion and preconditioning of the isolated rat heart. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 445, 643-650.  | 1.3 | 19        |
| 112 | The distribution of calcium in toad cardiac pacemaker cells during spontaneous firing. <i>Pflugers Archiv European Journal of Physiology</i> , 2000, 441, 219-227.  | 1.3 | 18        |
| 113 | IGF-1 enhances a store-operated Ca <sup>2+</sup> channel in skeletal muscle myoblasts: Involvement of a CD20-like protein. <i>Journal of Cellular Physiology</i> , 2003, 197, 53-60.  | 2.0 | 18        |
| 114 | ATP modulates intracellular Ca <sup>2+</sup> and firing rate through a P2Y <sub>1</sub> purinoceptor in cane toad pacemaker cells. <i>Journal of Physiology</i> , 2003, 552, 777-787.   | 1.3 | 18        |
| 115 | The mechanisms of sarcoplasmic reticulum Ca <sup>2+</sup> release in toad pacemaker cells. <i>Journal of Physiology</i> , 2000, 525, 695-705.   | 1.3 | 17        |
| 116 | Activation of Ca <sup>2+</sup> -dependent protein kinase II during repeated contractions in single muscle fibres from mouse is dependent on the frequency of sarcoplasmic reticulum Ca <sup>2+</sup> release. <i>Acta Physiologica</i> , 2007, 191, 131-137.    | 1.8 | 15        |
| 117 | Resettlement Outcomes for People with Severe Challenging Behaviour Moving from Institutional to Community Living. <i>Journal of Applied Research in Intellectual Disabilities</i> , 2011, 24, 1-17.   | 1.3 | 15        |
| 118 | RhoA/ROCK Signaling and Pleiotropic $\beta$ 1A-Adrenergic Receptor Regulation of Cardiac Contractility. <i>PLoS ONE</i> , 2014, 9, e99024.  | 1.1 | 14        |
| 119 | Conserved Role of the Large Conductance Calcium-Activated Potassium Channel, K <sub>Ca</sub> 1.1, in Sinus Node Function and Arrhythmia Risk. <i>Circulation Genomic and Precision Medicine</i> , 2021, 14, e003144.  | 1.6 | 14        |
| 120 | AICAR inhibits the Na <sup>+</sup> /H <sup>+</sup> exchanger in rat hearts—possible contribution to cardioprotection. <i>Pflugers Archiv European Journal of Physiology</i> , 2006, 453, 147-156.   | 1.3 | 13        |
| 121 | The cardioprotective effects of Na <sup>+</sup> /H <sup>+</sup> exchange inhibition and mitochondrial K <sup>+</sup> ATP channel activation are additive in the isolated rat heart. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 447, 272-279. | 1.3 | 12        |
| 122 | Muscle specific kinase protects dystrophic mouse muscles from eccentric contraction-induced loss of force-producing capacity. <i>Journal of Physiology</i> , 2019, 597, 4831-4850.  | 1.3 | 11        |
| 123 | Early effects of metabolic inhibition on intracellular Ca <sup>2+</sup> in toad pacemaker cells: involvement of Ca <sup>2+</sup> stores. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H1087-H1094.                     | 1.5 | 10        |
| 124 | The use of caged adenine nucleotides and caged phosphate in intact skeletal muscle fibres of the mouse. <i>Acta Physiologica Scandinavica</i> , 1999, 166, 341-347.   | 2.3 | 10        |
| 125 | Cyanide inhibits the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger in isolated cardiac pacemaker cells of the cane toad. <i>Pflugers Archiv European Journal of Physiology</i> , 2005, 449, 442-448.  | 1.3 | 8         |
| 126 | The effects of intracellular injections of phosphate on intracellular calcium and force in single fibres of mouse skeletal muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 431, 964-970.  | 1.3 | 5         |



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|-----|---|-----|-----------|
| 127 | Understanding muscle from its length. <i>Journal of Physiology</i> , 2007, 583, 3-4.  | 1.3 | 5         |
| 128 | Stretch-Activated Channels in the Heart: Contribution to Cardiac Performance. , 2010, , 141-167.  |     | 4         |
| 129 | Section Review: Cardiovascular & Renal: Calcium sensitisers and heart failure. <i>Expert Opinion on Investigational Drugs</i> , 1995, 4, 1057-1065. | 1.9 | 3         |
| 130 | Why stretched muscles hurt - is there a role for half-sarcomere dynamics?. <i>Journal of Physiology</i> , 2006, 573, 4-4.                           | 1.3 | 3         |
| 131 | Dynamic changes in the contractile apparatus during exercise. <i>Acta Physiologica</i> , 2013, 208, 220-221.  | 1.8 | 1         |
| 132 | Cooling muscles following exercise. <i>Journal of Physiology</i> , 2017, 595, 7269-7269.  | 1.3 | 0         |
| 133 | Why do older humans fatigue more quickly?. <i>Journal of Physiology</i> , 2018, 596, 3815-3815.   | 1.3 | 0         |
| 134 | Calcium sensitivity and muscle disease. <i>Journal of Physiology</i> , 2019, 597, 4435-4436.  | 1.3 | 0         |
| 135 | Human muscle performance. <i>Journal of Physiology</i> , 2020, 598, 613-614.  | 1.3 | 0         |
| 136 | How to perform well in the heat. , 2005, , 28-29.   |     | 0         |