# Grant R. Drummond

List of Publications by Year
in descending order



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|---|---|---|---|
| 85 papers | 7,796 citations | 41258 49 h-index | 56606 83 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 11086 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Combating oxidative stress in vascular disease: NADPH oxidases as therapeutic targets. Nature Reviews Drug Discovery, 2011, 10, 453-471. | 21.5 | 763 |
| 2 | Redox Control of Endothelial Function and Dysfunction: Molecular Mechanisms and Therapeutic Opportunities. Antioxidants and Redox Signaling, 2008, 10, 1713-1766. | 2.5 | 339 |
| 3 | Intravenous immunoglobulin suppresses NLRP1 and NLRP3 inflammasome-mediated neuronal death in ischemic stroke. Cell Death and Disease, 2013, 4, e790-e790. | 2.7 | 331 |
| 4 | Immune mechanisms of hypertension. Nature Reviews Immunology, 2019, 19, 517-532. | 10.6 | 281 |
| 5 | Reconstituted High-Density Lipoproteins Inhibit the Acute Pro-Oxidant and Proinflammatory Vascular Changes Induced by a Periarterial Collar in Normocholesterolemic Rabbits. Circulation, 2005, 111, 1543-1550. | 1.6 | 275 |
| 6 | Endothelial NADPH oxidases: which NOX to target in vascular disease?. Trends in Endocrinology and Metabolism, 2014, 25, 452-463. | 3.1 | 255 |
| 7 | Inhibition of Nox2 Oxidase Activity Ameliorates Influenza A Virus-Induced Lung Inflammation. PLoS Pathogens, 2011, 7, e1001271. | 2.1 | 210 |
| 8 | NADPH Oxidase Activity and Function Are Profoundly Greater in Cerebral Versus Systemic Arteries. Circulation Research, 2005, 97, 1055-1062. | 2.0 | 198 |
| 9 | Nitric oxide suppresses NADPH oxidase-dependent superoxide production by S-nitrosylation in human endothelial cells. Cardiovascular Research, 2007, 75, 349-358. | 1.8 | 191 |
| 10 | Obligatory Role for B Cells in the Development of Angiotensin IIâ€“Dependent Hypertension. Hypertension, 2015, 66, 1023-1033. | 1.3 | 185 |
| 11 | Role of chemokine RANTES in the regulation of perivascular inflammation, Tâ€cell accumulation, and vascular dysfunction in hypertension. FASEB Journal, 2016, 30, 1987-1999. | 0.2 | 185 |
| 12 | The contribution of Nox4 to NADPH oxidase activity in mouse vascular smooth muscle. Cardiovascular Research, 2005, 65, 495-504. | 1.8 | 180 |
| 13 | Immune Cell Infiltration in Malignant Middle Cerebral Artery Infarction: Comparison with Transient Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 450-459. | 2.4 | 180 |
| 14 | <scp>IL</scp>â€1Î² and <scp>IL</scp>â€18: inflammatory markers or mediators of hypertension?. British Journal of Pharmacology, 2014, 171, 5589-5602. | 2.7 | 168 |
| 15 | Importance of T Lymphocytes in Brain Injury, Immunodeficiency, and Recovery after Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 598-611. | 2.4 | 166 |
| 16 | Pharmacological inhibition of the NLRP3 inflammasome reduces blood pressure, renal damage, and dysfunction in salt-sensitive hypertension. Cardiovascular Research, 2019, 115, 776-787. | 1.8 | 165 |
| 17 | Mechanisms Contributing to Cerebral Infarct Size after Stroke: Gender, Reperfusion, T Lymphocytes, and Nox2-Derived Superoxide. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1306-1317. | 2.4 | 144 |
| 18 | Increased NADPH-Oxidase Activity and Nox4 Expression During Chronic Hypertension Is Associated With Enhanced Cerebral Vasodilatation to NADPH In Vivo. Stroke, 2004, 35, 584-589. | 1.0 | 143 |

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|---|---|---|---|
| 19 | Inflammasome activity is essential for one kidney/deoxycorticosterone acetate/saltâ€induced hypertension in mice. British Journal of Pharmacology, 2016, 173, 752-765. | 2.7 | 143 |
| 20 | Antenatal antioxidant treatment with melatonin to decrease newborn neurodevelopmental deficits and brain injury caused by fetal growth restriction. Journal of Pineal Research, 2014, 56, 283-294. | 3.4 | 134 |
| 21 | Effect of Gender on NADPH-Oxidase Activity, Expression, and Function in the Cerebral Circulation. Stroke, 2007, 38, 2142-2149. | 1.0 | 133 |
| 22 | Bacteriophages in Natural and Artificial Environments. Pathogens, 2019, 8, 100. | 1.2 | 124 |
| 23 | Role of CCR2 in Inflammatory Conditions of the Central Nervous System. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1425-1429. | 2.4 | 121 |
| 24 | Evidence That Ly6C <sup>hi</sup> Monocytes Are Protective in Acute Ischemic Stroke by Promoting M2 Macrophage Polarization. Stroke, 2015, 46, 1929-1937. | 1.0 | 121 |
| 25 | Reduction of cerebral infarct volume by apocynin requires pretreatment and is absent in Nox2â€deficient mice. British Journal of Pharmacology, 2009, 156, 680-688. | 2.7 | 119 |
| 26 | Novel isoforms of NADPH oxidase in vascular physiology and pathophysiology. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 849-854. | 0.9 | 115 |
| 27 | Risk of Major Cardiovascular Events in People with Down Syndrome. PLoS ONE, 2015, 10, e0137093. | 1.1 | 113 |
| 28 | Reversal of Vascular Macrophage Accumulation and Hypertension by a CCR2 Antagonist in Deoxycorticosterone/Salt-Treated Mice. Hypertension, 2012, 60, 1207-1212. | 1.3 | 103 |
| 29 | Myocardial oxidative stress contributes to transgenic Î²<sub>2</sub>â€adrenoceptor activationâ€induced cardiomyopathy and heart failure. British Journal of Pharmacology, 2011, 162, 1012-1028. | 2.7 | 99 |
| 30 | NADPH oxidase isoform selective regulation of endothelial cell proliferation and survival. Naunyn-Schmiedeberg's Archives of Pharmacology, 2009, 380, 193-204. | 1.4 | 95 |
| 31 | Nox isoforms in vascular pathophysiology: insights from transgenic and knockout mouse models. Redox Report, 2010, 15, 50-63. | 1.4 | 92 |
| 32 | Sex-Dependent Effects of G Proteinâ€“Coupled Estrogen Receptor Activity on Outcome After Ischemic Stroke. Stroke, 2014, 45, 835-841. | 1.0 | 88 |
| 33 | NADPH Oxidases as Regulators of Tumor Angiogenesis: Current and Emerging Concepts. Antioxidants and Redox Signaling, 2012, 16, 1229-1247. | 2.5 | 86 |
| 34 | Increased NADPH Oxidase Activity, gp91phox Expression, and Endothelium-Dependent Vasorelaxation During Neointima Formation in Rabbits. Circulation Research, 2002, 91, 54-61. | 2.0 | 85 |
| 35 | Gender Influences Cerebral Vascular Responses to Angiotensin II Through Nox2-Derived Reactive Oxygen Species. Stroke, 2009, 40, 1091-1097. | 1.0 | 79 |
| 36 | Antioxidant actions contribute to the antihypertrophic effects of atrial natriuretic peptide in neonatal rat cardiomyocytes. Cardiovascular Research, 2006, 72, 112-123. | 1.8 | 75 |

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|---|---|---|---|
| 37 | Chronic angiotensin IV treatment reverses endothelial dysfunction in ApoE-deficient mice. Cardiovascular Research, 2008, 77, 178-187. | 1.8 | 71 |
| 38 | Nox2 Oxidase Activity Accounts for the Oxidative Stress and Vasomotor Dysfunction in Mouse Cerebral Arteries following Ischemic Stroke. PLoS ONE, 2011, 6, e28393. | 1.1 | 71 |
| 39 | Importance of NOX1 for angiotensin II-induced cerebrovascular superoxide production and cortical infarct volume following ischemic stroke. Brain Research, 2009, 1286, 215-220. | 1.1 | 67 |
| 40 | Augmented Superoxide Production By Nox2-Containing NADPH Oxidase Causes Cerebral Artery Dysfunction During Hypercholesterolemia. Stroke, 2010, 41, 784-789. | 1.0 | 67 |
| 41 | Chemokine-related gene expression in the brain following ischemic stroke: No role for CXCR2 in outcome. Brain Research, 2011, 1372, 169-179. | 1.1 | 67 |
| 42 | Flow-Induced Cerebral Vasodilatation in Vivo Involves Activation of Phosphatidylinositol-3 Kinase, NADPH-Oxidase, and Nitric Oxide Synthase. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 836-845. | 2.4 | 63 |
| 43 | Aldosterone-induced oxidative stress and inflammation in the brain are mediated by the endothelial cell mineralocorticoid receptor. Brain Research, 2016, 1637, 146-153. | 1.1 | 58 |
| 44 | Suppression of Oxidative Stress in the Endothelium and Vascular Wall. Endothelium: Journal of Endothelial Cell Research, 2004, 11, 79-88. | 1.7 | 56 |
| 45 | The antioxidant tempol inhibits cardiac hypertrophy in the insulin-resistant GLUT4-deficient mouse in vivo. Journal of Molecular and Cellular Cardiology, 2007, 42, 1119-1128. | 0.9 | 56 |
| 46 | Vascular cognitive impairment and Alzheimerâ€™s disease: role of cerebral hypoperfusion and oxidative stress. Naunyn-Schmiedeberg's Archives of Pharmacology, 2012, 385, 953-959. | 1.4 | 55 |
| 47 | The â€˜Aâ€™s and â€˜Oâ€™s of NADPH oxidase regulation: A commentary on â€œSubcellular localization and function of alternatively spliced Noxo1 isoformsâ€• Free Radical Biology and Medicine, 2007, 42, 175-179. | 1.3 | 53 |
| 48 | Reactive Oxygen Species in the Cerebral Circulation: Are They All Bad?. Antioxidants and Redox Signaling, 2006, 8, 1113-1120. | 2.5 | 51 |
| 49 | Stroke Increases G Protein-Coupled Estrogen Receptor Expression in the Brain of Male but Not Female Mice. NeuroSignals, 2013, 21, 229-239. | 0.5 | 51 |
| 50 | Reactive oxygen species are the major antibacterials against Salmonella Typhimurium purine auxotrophs in the phagosome of RAW 264.7 cells. Cellular Microbiology, 2008, 10, 1058-1073. | 1.1 | 49 |
| 51 | Nox1 Oxidase Suppresses Influenza A Virus-Induced Lung Inflammation and Oxidative Stress. PLoS ONE, 2013, 8, e60792. | 1.1 | 47 |
| 52 | 3â€², 4â€²-Dihydroxyflavonol Enhances Nitric Oxide Bioavailability and Improves Vascular Function after Ischemia and Reperfusion Injury in the Rat. Journal of Cardiovascular Pharmacology, 2003, 42, 727-735. | 0.8 | 45 |
| 53 | Effect of a Broad-Specificity Chemokine-Binding Protein on Brain Leukocyte Infiltration and Infarct Development. Stroke, 2015, 46, 537-544. | 1.0 | 41 |
| 54 | Evidence that nitric oxide inhibits vascular inflammation and superoxide production via a p47‹sup›phox‹/sup›â€•dependent mechanism in mice. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 429-434. | 0.9 | 40 |

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|---|---|---|---|
| 55 | Differential Phenotypes of Tissue-Infiltrating T Cells during Angiotensin II-Induced Hypertension in Mice. PLoS ONE, 2014, 9, e114895. | 1.1 | 40 |
| 56 | Impact of the COVIDâ€19 pandemic and lockdown restrictions on psychosocial and behavioural outcomes among Australian adults with type 2 diabetes: Findings from the PREDICT cohort study. Diabetic Medicine, 2021, 38, e14611. | 1.2 | 36 |
| 57 | Reactive Oxygen Species in the Cerebral Circulation. Drugs, 2004, 64, 2143-2157. | 4.9 | 35 |
| 58 | Adventitial application of the NADPH oxidase inhibitor apocynin in vivo reduces neointima formation and endothelial dysfunction in rabbits. Cardiovascular Research, 2007, 75, 710-718. | 1.8 | 35 |
| 59 | NOX1 deficiency in apolipoprotein E-knockout mice is associated with elevated plasma lipids and enhanced atherosclerosis. Free Radical Research, 2015, 49, 186-198. | 1.5 | 30 |
| 60 | New opportunities for targeting redox dysregulation in cardiovascular disease. Cardiovascular Research, 2020, 116, 532-544. | 1.8 | 30 |
| 61 | A call to action for new global approaches to cardiovascular disease drug solutions. European Heart Journal, 2021, 42, 1464-1475. | 1.0 | 29 |
| 62 | Effect of a Selective Mas Receptor Agonist in Cerebral Ischemia In Vitro and In Vivo. PLoS ONE, 2015, 10, e0142087. | 1.1 | 26 |
| 63 | The anti-platelet effects of apocynin in mice are not mediated by inhibition of NADPH oxidase activity. Naunyn-Schmiedeberg's Archives of Pharmacology, 2010, 382, 377-384. | 1.4 | 25 |
| 64 | Nitroxyl (HNO) suppresses vascular Nox2 oxidase activity. Free Radical Biology and Medicine, 2013, 60, 264-271. | 1.3 | 24 |
| 65 | NADPH-Induced Contractions of Mouse Aorta Do Not Involve NADPH Oxidase: A Role for P2X Receptors. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 644-650. | 1.3 | 21 |
| 66 | Brain infarct volume after permanent focal ischemia is not dependent on Nox2 expression. Brain Research, 2012, 1483, 105-111. | 1.1 | 21 |
| 67 | Evidence of CCR2-independent transmigration of Ly6C hi monocytes into the brain after permanent cerebral ischemia in mice. Brain Research, 2016, 1637, 118-127. | 1.1 | 20 |
| 68 | Antioxidant and Nitric Oxide-Sparing Actions of Dihydropyridines and ACE Inhibitors Differ in Human Endothelial Cells. Pharmacology, 2006, 76, 8-18. | 0.9 | 16 |
| 69 | Aldosterone-induced hypertension is sex-dependent, mediated by T cells and sensitive to GPER activation. Cardiovascular Research, 2021, 117, 960-970. | 1.8 | 16 |
| 70 | NOX2Î²: A Novel Splice Variant of NOX2 That Regulates NADPH Oxidase Activity in Macrophages. PLoS ONE, 2012, 7, e48326. | 1.1 | 15 |
| 71 | A flow cytometric method for the analysis of macrophages in the vascular wall. Journal of Immunological Methods, 2013, 396, 33-43. | 0.6 | 14 |
| 72 | C-type natriuretic peptide (CNP) suppresses plasminogen activator inhibitor-1 (PAI-1) in vivo. Cardiovascular Research, 2005, 66, 574-582. | 1.8 | 13 |

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|---|---|---|---|
| 73 | Accumulation of serum lipids by vascular smooth muscle cells involves a macropinocytosis-like uptake pathway and is associated with the downregulation of the ATP-binding cassette transporter A1. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 1081-1093. | 1.4 | 13 |
| 74 | Over-Expression of DSCR1 Protects against Post-Ischemic Neuronal Injury. PLoS ONE, 2012, 7, e47841. | 1.1 | 10 |
| 75 | Distinct Redox Signalling following Macrophage Activation Influences Profibrotic Activity. Journal of Immunology Research, 2019, 2019, 1-15. | 0.9 | 9 |
| 76 | Selective inhibition of NADPH-oxidase isoforms as a therapeutic strategy in hypertension. Drug Discovery Today: Therapeutic Strategies, 2005, 2, 187-192. | 0.5 | 6 |
| 77 | <scp>Chlamydia pneumoniae</scp> induces a proâ€inflammatory phenotype in murine vascular smooth muscle cells independently of elevating reactive oxygen species. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 218-226. | 0.9 | 6 |
| 78 | Innovative Anti-Inflammatory and Pro-resolving Strategies for Pulmonary Hypertension: High Blood Pressure Research Council of Australia Award 2019. Hypertension, 2021, 78, 1168-1184. | 1.3 | 6 |
| 79 | B2 kinin receptor activation is the predominant mechanism by which trypsin mediates endothelium-dependent relaxation in bovine coronary arteries. Naunyn-Schmiedeberg's Archives of Pharmacology, 2008, 378, 33-41. | 1.4 | 2 |
| 80 | CEACAM1. Circulation Research, 2013, 113, 952-953. | 2.0 | 2 |
| 81 | Synthesis of six mexiletine derivatives with isoindolines attached as potential antioxidants and their evaluation as cardioprotective agents. MedChemComm, 2015, 6, 634-639. | 3.5 | 2 |
| 82 | Unexpected anti-hypertrophic responses to low-level stimulation of protease-activated receptors in adult rat cardiomyocytes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 1001-1007. | 1.4 | 1 |
| 83 | Angiotensin (1â€“7) as a Therapy to Prevent Rupture of Intracranial Aneurysms?. Hypertension, 2014, 64, 222-223. | 1.3 | 1 |
| 84 | Using machine learning to ace cardiovascular risk tests. Cardiovascular Research, 2020, 116, 2173-2174. | 1.8 | 0 |
| 85 | Large-Scale Multivariate Analysis to Interrogate an Animal Model of Stroke: Novel Insights Into Poststroke Pathology. Stroke, 2021, 52, 3661-3669. | 1.0 | 0 |