Paul Evans

List of Publications by Year in Descending Order

118 papers	7,233 citations	45 h-index	83 g-index
142 ext. papers	8,695 ext. citations	7.2 avg, IF	5.6 L-index

#	Paper	IF	Citations
118	Scientists on the Spot: A matter of blood flow. *Cardiovascular Research*, **2021**, 117, e162-e163	9.9	0
117	Bio-tribology of Vascular Devices: A Review of Tissue/Device Friction Research. *Biotribology*, **2021**, 25, 100169	2.3	5
116	The year in basic vascular biology research: from mechanoreceptors and neutrophil extracellular traps to smartphone data and omics. *Cardiovascular Research*, **2021**, 117, 1814-1822	9.9	1
115	Nrf2-Keap-1 imbalance under acute shear stress induces inflammatory response in venous endothelial cells. *Perfusion (United Kingdom)*, **2021**, 2676591211012571	1.9	2
114	Zebrafish as a tractable model of human cardiovascular disease. *British Journal of Pharmacology*, **2021**,	8.6	14
113	Resilience of the Internal Mammary Artery to Atherogenesis: Shifting From Risk to Resistance to Address Unmet Needs. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 2237-2251	9.4	2
112	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. *Cardiovascular Research*, **2021**, 117, 29-42	9.9	53
111	A novel method for measuring absolute coronary blood flow and microvascular resistance in patients with ischaemic heart disease. *Cardiovascular Research*, **2021**, 117, 1567-1577	9.9	8
110	Endothelial NADPH oxidase 4 protects against angiotensin II-induced cardiac fibrosis and inflammation. *ESC Heart Failure*, **2021**, 8, 1427-1437	3.7	6
109	Cezanne is a critical regulator of pathological arterial remodelling by targeting β-catenin signalling. *Cardiovascular Research*, **2021**,	9.9	4
108	The effect of absent blood flow on the zebrafish cerebral and trunk vasculature. *Vascular Biology (Bristol, England)*, **2021**, 3, 1-16	2.9	1
107	Neutrophil microvesicles drive atherosclerosis by delivering miR-155 to atheroprone endothelium. *Nature Communications*, **2020**, 11, 214	17.4	55
106	Diabetic atherosclerosis: is there a role for the hypoxia-inducible factors?. *Bioscience Reports*, **2020**, 40,	4.1	7
105	Endothelial dysfunction in COVID-19: a position paper of the ESC Working Group for Atherosclerosis and Vascular Biology, and the ESC Council of Basic Cardiovascular Science. *Cardiovascular Research*, **2020**, 116, 2177-2184	9.9	184
104	NF-κB inhibition prevents acute shear stress-induced inflammation in the saphenous vein graft endothelium. *Scientific Reports*, **2020**, 10, 15133	4.9	9
103	Endothelial responses to shear stress in atherosclerosis: a novel role for developmental genes. *Nature Reviews Cardiology*, **2020**, 17, 52-63	14.8	115
102	Homeobox B9 integrates bone morphogenic protein 4 with inflammation at atheroprone sites. *Cardiovascular Research*, **2020**, 116, 1300-1310	9.9	10

101	Expert recommendations on the assessment of wall shear stress in human coronary arteries: existing methodologies, technical considerations, and clinical applications. *European Heart Journal*, **2019**, 40, 3421-3433	9.5	70
100	Immunometabolism and atherosclerosis: perspectives and clinical significance: a position paper from the Working Group on Atherosclerosis and Vascular Biology of the European Society of Cardiology. *Cardiovascular Research*, **2019**, 115, 1385-1392	9.9	40
99	1 integrin is a sensor of blood flow direction. *Journal of Cell Science*, **2019**, 132,	5.3	23
98	Disturbed flow induces a sustained, stochastic NF-B activation which may support intracranial aneurysm growth in vivo. *Scientific Reports*, **2019**, 9, 4738	4.9	13
97	GATA4-Twist1 Signalling in Disturbed Flow-Induced Atherosclerosis. *Cardiovascular Drugs and Therapy*, **2019**, 33, 231-237	3.9	7
96	Identifying the anti-inflammatory response to lipid lowering therapy: a position paper from the working group on atherosclerosis and vascular biology of the European Society of Cardiology. *Cardiovascular Research*, **2019**, 115, 10-19	9.9	32
95	The Bernard and Joan Marshall Early Career Investigators and Distinguished Investigator Award 2018. *Cardiovascular Drugs and Therapy*, **2019**, 33, 203-205	3.9	0
94	Atheroprone flow activates inflammation via endothelial ATP-dependent P2X7-p38 signalling. *Cardiovascular Research*, **2018**, 114, 324-335	9.9	28
93	Endothelial-mesenchymal transition in atherosclerosis. *Cardiovascular Research*, **2018**, 114, 565-577	9.9	126
92	Future directions for therapeutic strategies in post-ischaemic vascularization: a position paper from European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology. *Cardiovascular Research*, **2018**, 114, 1411-1421	9.9	8
91	Interplay between hypercholesterolaemia and inflammation in atherosclerosis: Translating experimental targets into clinical practice. *European Journal of Preventive Cardiology*, **2018**, 25, 948-955	3.9	27
90	Dietary Docosahexaenoic Acid Reduces Oscillatory Wall Shear Stress, Atherosclerosis, and Hypertension, Most Likely Mediated via an IL-1-Mediated Mechanism. *Journal of the American Heart Association*, **2018**, 7,	6	12
89	Shear stress induces endothelial-to-mesenchymal transition via the transcription factor Snail. *Scientific Reports*, **2017**, 7, 3375	4.9	88
88	Consumption of Broccoli Sprouts Attenuates Intracellular P38 Map Kinase and Reactive Oxygen Species Pro-Inflammatory Activation in Human Leukocytes: A Randomised- Controlled Trial. *Journal of Clinical Nutrition & Dietetics*, **2017**, 03,	0	1
87	Mechanical Activation of Hypoxia-Inducible Factor 1Drives Endothelial Dysfunction at Atheroprone Sites. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 2087-2101	9.4	96
86	Zebrafish Model for Functional Screening of Flow-Responsive Genes. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 130-143	9.4	32
85	Microvesicles in vascular homeostasis and diseases. Position Paper of the European Society of Cardiology (ESC) Working Group on Atherosclerosis and Vascular Biology. *Thrombosis and Haemostasis*, **2017**, 117, 1296-1316	7	143
84	Response by Feng et al to Letter Regarding Article, "Mechanical Activation of Hypoxia-Inducible Factor 1Drives Endothelial Dysfunction at Atheroprone Sites". *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, e199-e200	9.4	1

83	TWIST1 Integrates Endothelial Responses to Flow in Vascular Dysfunction and Atherosclerosis. *Circulation Research*, **2016**, 119, 450-62	15.7	71
82	Mini Bypass and Proinflammatory Leukocyte Activation: A Randomized Controlled Trial. *Annals of Thoracic Surgery*, **2016**, 101, 1454-63	2.7	13
81	Role of biomechanical forces in the natural history of coronary atherosclerosis. *Nature Reviews Cardiology*, **2016**, 13, 210-20	14.8	132
80	Experimental Approaches to Study Endothelial Responses to Shear Stress. *Antioxidants and Redox Signaling*, **2016**, 25, 389-400	8.4	10
79	Computational fluid dynamics modelling in cardiovascular medicine. *Heart*, **2016**, 102, 18-28	5.1	206
78	Heart rate reduction with ivabradine promotes shear stress-dependent anti-inflammatory mechanisms in arteries. *Thrombosis and Haemostasis*, **2016**, 116, 181-90	7	16
77	Reply. *Annals of Thoracic Surgery*, **2016**, 102, 1765-1766	2.7	
76	Endothelial repair in stented arteries is accelerated by inhibition of Rho-associated protein kinase. *Cardiovascular Research*, **2016**, 112, 689-701	9.9	17
75	Sulforaphane induces neurovascular protection against a systemic inflammatory challenge via both Nrf2-dependent and independent pathways. *Vascular Pharmacology*, **2016**, 85, 29-38	5.9	26
74	PKC□CREB-Nrf2 signalling induces HO-1 in the vascular endothelium and enhances resistance to inflammation and apoptosis. *Cardiovascular Research*, **2015**, 106, 509-19	9.9	72
73	Vascular dysfunction in the pathogenesis of Alzheimer's disease--A review of endothelium-mediated mechanisms and ensuing vicious circles. *Neurobiology of Disease*, **2015**, 82, 593-606	7.5	177
72	192 Dietary Docosahexaenoic Acid Reduced Experimental Atherosclerosis by Inducing Protective Haemodynamic Conditions. *Heart*, **2015**, 101, A107.2-A107	5.1	
71	Novel methodologies for biomarker discovery in atherosclerosis. *European Heart Journal*, **2015**, 36, 2635-42	9.5	133
70	NR2 antibody is associated with quality of life in aortic valve replacement. *Asian Cardiovascular and Thoracic Annals*, **2015**, 23, 690-700	0.6	
69	A20 suppresses vascular inflammation by recruiting proinflammatory signaling molecules to intracellular aggresomes. *FASEB Journal*, **2015**, 29, 1869-78	0.9	10
68	Disturbed flow promotes endothelial senescence via a p53-dependent pathway. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 985-95	9.4	128
67	Piezo1 integration of vascular architecture with physiological force. *Nature*, **2014**, 515, 279-282	50.4	519
66	Aortic stiffness as a marker of cardiac function and myocardial strain in patients undergoing aortic valve replacement. *Journal of Cardiothoracic Surgery*, **2014**, 9, 102	1.6	10

65	Metabolic derangement and cardiac injury early after reperfusion following intermittent cross-clamp fibrillation in patients undergoing coronary artery bypass graft surgery using conventional or miniaturized cardiopulmonary bypass. *Molecular and Cellular Biochemistry*, **2014**, 395, 167-75	4.2	11
64	Requirement of JNK1 for endothelial cell injury in atherogenesis. *Atherosclerosis*, **2014**, 235, 613-8	3.1	20
63	Biomechanical factors in atherosclerosis: mechanisms and clinical implications. *European Heart Journal*, **2014**, 35, 3013-20, 3020a-3020d	9.5	250
62	In vivo mapping of vascular inflammation using the translocator protein tracer 18F-FEDAA1106. *Molecular Imaging*, **2014**, 13,	3.7	24
61	Mechanoresponsive networks controlling vascular inflammation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 2199-205	9.4	76
60	Aortic stiffness is an indicator of cognitive dysfunction before and after aortic valve replacement for aortic stenosis. *Interactive Cardiovascular and Thoracic Surgery*, **2014**, 19, 595-604	1.8	15
59	Sulforaphane pretreatment prevents systemic inflammation and renal injury in response to cardiopulmonary bypass. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 148, 690-697.e3	1.5	23
58	The biology of A20-like molecules. *Advances in Experimental Medicine and Biology*, **2014**, 809, 33-48	3.6	9
57	The effects of stenting on shear stress: relevance to endothelial injury and repair. *Cardiovascular Research*, **2013**, 99, 269-75	9.9	90
56	Cytoprotective signaling and gene expression in endothelial cells and macrophages-lessons for atherosclerosis. *Microcirculation*, **2013**, 20, 203-16	2.9	7
55	Control of tissue morphology by Fasciclin III-mediated intercellular adhesion. *Development (Cambridge)*, **2013**, 140, 3858-68	6.6	25
54	Cezanne regulates inflammatory responses to hypoxia in endothelial cells by targeting TRAF6 for deubiquitination. *Circulation Research*, **2013**, 112, 1583-91	15.7	38
53	Loss of function of parathyroid hormone receptor 1 induces Notch-dependent aortic defects during zebrafish vascular development. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 1257-63	9.4	13
52	Regulation of Endothelial Activation and Vascular Inflammation by Shear Stress **2013**, 77-85		2
51	Shear stress modulates the expression of the atheroprotective protein Cx37 in endothelial cells. *Journal of Molecular and Cellular Cardiology*, **2012**, 53, 299-309	5.8	56
50	Solid-phase immunoglobulins IgG and IgM activate macrophages with solid-phase IgM acting via a novel scavenger receptor a pathway. *American Journal of Pathology*, **2012**, 181, 347-61	5.8	11
49	Protein kinase C□activity induces anti-inflammatory and anti-apoptotic genes via an ERK1/2- and NF-B-dependent pathway to enhance vascular protection. *Biochemical Journal*, **2012**, 447, 193-204	3.8	13
48	Implantation of a carotid cuff for triggering shear-stress induced atherosclerosis in mice. *Journal of Visualized Experiments*, **2012**,	1.6	14

47	Smooth muscle cells in porcine vein graft intimal hyperplasia are derived from the local vessel wall. *Cardiovascular Pathology*, **2011**, 20, e91-4	3.8	12
46	Do miniaturized extracorporeal circuits confer significant clinical benefit without compromising safety? A meta-analysis of randomized controlled trials. *ASAIO Journal*, **2011**, 57, 141-51	3.6	43
45	The role of blood flow in determining the sites of atherosclerotic plaques. *F1000 Medicine Reports*, **2011**, 3, 5		63
44	The influence of sulforaphane on vascular health and its relevance to nutritional approaches to prevent cardiovascular disease. *EPMA Journal*, **2011**, 2, 9-14	8.8	31
43	Disturbed blood flow induces RelA expression via c-Jun N-terminal kinase 1: a novel mode of NF-B regulation that promotes arterial inflammation. *Circulation Research*, **2011**, 108, 950-9	15.7	89
42	Dexamethasone arterializes venous endothelial cells by inducing mitogen-activated protein kinase phosphatase-1: a novel antiinflammatory treatment for vein grafts?. *Circulation*, **2011**, 123, 524-32	16.7	30
41	Heme induces heme oxygenase 1 via Nrf2: role in the homeostatic macrophage response to intraplaque hemorrhage. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 2685-91	9.4	90
40	The transcription factor Erg inhibits vascular inflammation by repressing NF-kappaB activation and proinflammatory gene expression in endothelial cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 142-50	9.4	44
39	c-Jun N-terminal kinase primes endothelial cells at atheroprone sites for apoptosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 546-53	9.4	56
38	Inhibition of NF-B signaling in human dendritic cells by the enteropathogenic Escherichia coli effector protein NleE. *Journal of Immunology*, **2010**, 185, 4118-27	5.3	69
37	Perfusion of veins at arterial pressure increases the expression of KLF5 and cell cycle genes in smooth muscle cells. *Biochemical and Biophysical Research Communications*, **2010**, 391, 818-23	3.4	4
36	Shear stress, inflammation and Atherosclerosis. *Artery Research*, **2010**, 4, 41	2.2	1
35	Role of nuclear factor kappaB in cardiovascular health and disease. *Clinical Science*, **2010**, 118, 593-605	6.5	183
34	Celecoxib activates PI-3K/Akt and mitochondrial redox signaling to enhance heme oxygenase-1-mediated anti-inflammatory activity in vascular endothelium. *Free Radical Biology and Medicine*, **2010**, 48, 1013-23	7.8	55
33	Activation of Nrf2 in endothelial cells protects arteries from exhibiting a proinflammatory state. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1851-7	9.4	187
32	Induction of the cytoprotective enzyme heme oxygenase-1 by statins is enhanced in vascular endothelium exposed to laminar shear stress and impaired by disturbed flow. *Journal of Biological Chemistry*, **2009**, 284, 18882-92	5.4	82
31	Hemodynamic parameters regulating vascular inflammation and atherosclerosis: a brief update. *Biomedicine and Pharmacotherapy*, **2008**, 62, 536-40	7.5	31
30	NF-kappaB suppression by the deubiquitinating enzyme Cezanne: a novel negative feedback loop in pro-inflammatory signaling. *Journal of Biological Chemistry*, **2008**, 283, 7036-45	5.4	160

29	KLF2-dependent, shear stress-induced expression of CD59: a novel cytoprotective mechanism against complement-mediated injury in the vasculature. *Journal of Biological Chemistry*, **2008**, 283, 14636-44	5.4	45
28	Hydrogen peroxide prolongs nuclear localization of NF-kappaB in activated cells by suppressing negative regulatory mechanisms. *Journal of Biological Chemistry*, **2008**, 283, 18582-90	5.4	49
27	Elevated p53 expression is associated with dysregulation of the ubiquitin-proteasome system in dilated cardiomyopathy. *Cardiovascular Research*, **2008**, 79, 472-80	9.9	90
26	Increased endothelial mitogen-activated protein kinase phosphatase-1 expression suppresses proinflammatory activation at sites that are resistant to atherosclerosis. *Circulation Research*, **2008**, 103, 726-32	15.7	86
25	The A20 gene protects kidneys from ischaemia/reperfusion injury by suppressing pro-inflammatory activation. *Journal of Molecular Medicine*, **2008**, 86, 1329-39	5.5	37
24	Laminar shear stress acts as a switch to regulate divergent functions of NF-kappaB in endothelial cells. *FASEB Journal*, **2007**, 21, 3553-61	0.9	120
23	Effect of shear stress on vascular inflammation and plaque development. *Current Opinion in Lipidology*, **2007**, 18, 527-33	4.4	61
22	The triage of damaged proteins: degradation by the ubiquitin-proteasome pathway or repair by molecular chaperones. *FASEB Journal*, **2006**, 20, 741-3	0.9	95
21	Donor CD31 genotype and its association with acute graft-versus-host disease in HLA identical sibling stem cell transplantation. *Bone Marrow Transplantation*, **2005**, 36, 151-6	4.4	15
20	Regulation of pro-inflammatory signalling networks by ubiquitin: identification of novel targets for anti-inflammatory drugs. *Expert Reviews in Molecular Medicine*, **2005**, 7, 1-19	6.7	26
19	Zinc-finger protein A20, a regulator of inflammation and cell survival, has de-ubiquitinating activity. *Biochemical Journal*, **2004**, 378, 727-34	3.8	183
18	A novel type of deubiquitinating enzyme. *Journal of Biological Chemistry*, **2003**, 278, 23180-6	5.4	127
17	Isolation and characterization of two novel A20-like proteins. *Biochemical Journal*, **2001**, 357, 617-623	3.8	74
16	Isolation and characterization of two novel A20-like proteins. *Biochemical Journal*, **2001**, 357, 617-23	3.8	53
15	Recognition of E-cadherin by integrin alpha(E)beta(7): requirement for cadherin dimerization and implications for cadherin and integrin function. *Journal of Biological Chemistry*, **2001**, 276, 30862-70	5.4	22
14	Recipient HLA-DR3, tumour necrosis factor-alpha promoter allele-2 (tumour necrosis factor-2) and cytomegalovirus infection are interrelated risk factors for chronic rejection of liver grafts. *Journal of Hepatology*, **2001**, 34, 711-5	13.4	28
13	Signaling through CD31 protects endothelial cells from apoptosis. *Transplantation*, **2001**, 71, 457-60	1.8	39
12	Cutting edge: persistent fetal microchimerism in T lymphocytes is associated with HLA-DQA1*0501: implications in autoimmunity. *Journal of Immunology*, **2000**, 164, 5545-8	5.3	113

11	Interleukin-13 protects endothelial cells from apoptosis and activation: association with the protective genes A20 and A1. *Transplantation*, **2000**, 70, 928-34	1.8	21
10	Long-Term Fetal Microchimerism in Peripheral Blood Mononuclear Cell Subsets in Healthy Women and Women With Scleroderma. *Blood*, **1999**, 93, 2033-2037	2.2	321
9	Cytomegalovirus infection of bile duct epithelial cells, hepatic artery and portal venous endothelium in relation to chronic rejection of liver grafts. *Journal of Hepatology*, **1999**, 31, 913-20	13.4	43
8	Microchimerism of maternal origin persists into adult life. *Journal of Clinical Investigation*, **1999**, 104, 41-7	15.9	329
7	Alpha-galactosyl-mediated activation of porcine endothelial cells: studies on CD31 and VE-cadherin in adhesion and signaling. *Transplantation*, **1999**, 68, 861-7	1.8	19
6	Optimisation of the polymerase chain reaction and dot-blot hybridisation for detecting cytomegalovirus DNA in urine: comparison with detection of early antigen fluorescent foci and culture. *Journal of Virological Methods*, **1998**, 73, 41-52	2.6	11
5	Microchimerism and HLA-compatible relationships of pregnancy in scleroderma. *Lancet, The*, **1998**, 351, 559-62	40	496
4	Quantifying endothelial cell proliferation in the zebrafish embryo. *F1000Research*,10, 1032	3.6	
3	JAG1-NOTCH4 Mechanosensing Drives Atherosclerosis		1
2	Neutrophil microvesicles drive atherosclerosis by deliveringmiR-155to atheroprone endothelium		3
1	1 integrin is a sensor of blood flow direction		2