

Paul Evans

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Piezo1 integration of vascular architecture with physiological force. <i>Nature</i> , 2014 , 515, 279-282	50.4	519
117	Microchimerism and HLA-compatible relationships of pregnancy in scleroderma. <i>Lancet, The</i> , 1998 , 351, 559-62	40	496
116	Microchimerism of maternal origin persists into adult life. <i>Journal of Clinical Investigation</i> , 1999 , 104, 41-7	15.9	329
115	Long-Term Fetal Microchimerism in Peripheral Blood Mononuclear Cell Subsets in Healthy Women and Women With Scleroderma. <i>Blood</i> , 1999 , 93, 2033-2037	2.2	321
114	Biomechanical factors in atherosclerosis: mechanisms and clinical implications. <i>European Heart Journal</i> , 2014 , 35, 3013-20, 3020a-3020d	9.5	250
113	Computational fluid dynamics modelling in cardiovascular medicine. <i>Heart</i> , 2016 , 102, 18-28	5.1	206
112	Activation of Nrf2 in endothelial cells protects arteries from exhibiting a proinflammatory state. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1851-7	9.4	187
111	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. <i>Cardiovascular Research</i> , 2020 , 116, 2177-2184	9.9	184
110	Role of nuclear factor kappaB in cardiovascular health and disease. <i>Clinical Science</i> , 2010 , 118, 593-605	6.5	183
109	Zinc-finger protein A20, a regulator of inflammation and cell survival, has de-ubiquitinating activity. <i>Biochemical Journal</i> , 2004 , 378, 727-34	3.8	183
108	Vascular dysfunction in the pathogenesis of Alzheimer's disease--A review of endothelium-mediated mechanisms and ensuing vicious circles. <i>Neurobiology of Disease</i> , 2015 , 82, 593-606	7.5	177
107	NF-kappaB suppression by the deubiquitinating enzyme Cezanne: a novel negative feedback loop in pro-inflammatory signaling. <i>Journal of Biological Chemistry</i> , 2008 , 283, 7036-45	5.4	160
106	Microvesicles in vascular homeostasis and diseases. Position Paper of the European Society of Cardiology (ESC) Working Group on Atherosclerosis and Vascular Biology. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1296-1316	7	143
105	Novel methodologies for biomarker discovery in atherosclerosis. <i>European Heart Journal</i> , 2015 , 36, 2635-42	9.4	133
104	Role of biomechanical forces in the natural history of coronary atherosclerosis. <i>Nature Reviews Cardiology</i> , 2016 , 13, 210-20	14.8	132
103	Disturbed flow promotes endothelial senescence via a p53-dependent pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 985-95	9.4	128
102	A novel type of deubiquitinating enzyme. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23180-6	5.4	127

101	Endothelial-mesenchymal transition in atherosclerosis. <i>Cardiovascular Research</i> , 2018 , 114, 565-577	9.9	126
100	Laminar shear stress acts as a switch to regulate divergent functions of NF-kappaB in endothelial cells. <i>FASEB Journal</i> , 2007 , 21, 3553-61	0.9	120
99	Endothelial responses to shear stress in atherosclerosis: a novel role for developmental genes. <i>Nature Reviews Cardiology</i> , 2020 , 17, 52-63	14.8	115
98	Cutting edge: persistent fetal microchimerism in T lymphocytes is associated with HLA-DQA1*0501: implications in autoimmunity. <i>Journal of Immunology</i> , 2000 , 164, 5545-8	5.3	113
97	Mechanical Activation of Hypoxia-Inducible Factor 1 Drives Endothelial Dysfunction at Atheroprone Sites. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 2087-2101	9.4	96
96	The triage of damaged proteins: degradation by the ubiquitin-proteasome pathway or repair by molecular chaperones. <i>FASEB Journal</i> , 2006 , 20, 741-3	0.9	95
95	The effects of stenting on shear stress: relevance to endothelial injury and repair. <i>Cardiovascular Research</i> , 2013 , 99, 269-75	9.9	90
94	Heme induces heme oxygenase 1 via Nrf2: role in the homeostatic macrophage response to intraplaque hemorrhage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2685-91	9.4	90
93	Elevated p53 expression is associated with dysregulation of the ubiquitin-proteasome system in dilated cardiomyopathy. <i>Cardiovascular Research</i> , 2008 , 79, 472-80	9.9	90
92	Disturbed blood flow induces RelA expression via c-Jun N-terminal kinase 1: a novel mode of NF-B regulation that promotes arterial inflammation. <i>Circulation Research</i> , 2011 , 108, 950-9	15.7	89
91	Shear stress induces endothelial-to-mesenchymal transition via the transcription factor Snail. <i>Scientific Reports</i> , 2017 , 7, 3375	4.9	88
90	Increased endothelial mitogen-activated protein kinase phosphatase-1 expression suppresses proinflammatory activation at sites that are resistant to atherosclerosis. <i>Circulation Research</i> , 2008 , 103, 726-32	15.7	86
89	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. <i>Journal of Biological Chemistry</i> , 2009 , 284, 18882-92	5.4	82
88	Mechanoresponsive networks controlling vascular inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2199-205	9.4	76
87	Isolation and characterization of two novel A20-like proteins. <i>Biochemical Journal</i> , 2001 , 357, 617-623	3.8	74
86	PKC/CREB-Nrf2 signalling induces HO-1 in the vascular endothelium and enhances resistance to inflammation and apoptosis. <i>Cardiovascular Research</i> , 2015 , 106, 509-19	9.9	72
85	TWIST1 Integrates Endothelial Responses to Flow in Vascular Dysfunction and Atherosclerosis. <i>Circulation Research</i> , 2016 , 119, 450-62	15.7	71
84	Expert recommendations on the assessment of wall shear stress in human coronary arteries: existing methodologies, technical considerations, and clinical applications. <i>European Heart Journal</i> , 2019 , 40, 3421-3433	9.5	70

83	Inhibition of NF- κ B signaling in human dendritic cells by the enteropathogenic <i>Escherichia coli</i> effector protein NleE. <i>Journal of Immunology</i> , 2010 , 185, 4118-27	5.3	69
82	The role of blood flow in determining the sites of atherosclerotic plaques. <i>F1000 Medicine Reports</i> , 2011 , 3, 5		63
81	Effect of shear stress on vascular inflammation and plaque development. <i>Current Opinion in Lipidology</i> , 2007 , 18, 527-33	4.4	61
80	Shear stress modulates the expression of the atheroprotective protein Cx37 in endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 299-309	5.8	56
79	c-Jun N-terminal kinase primes endothelial cells at atheroprone sites for apoptosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 546-53	9.4	56
78	Neutrophil microvesicles drive atherosclerosis by delivering miR-155 to atheroprone endothelium. <i>Nature Communications</i> , 2020 , 11, 214	17.4	55
77	Celecoxib activates PI-3K/Akt and mitochondrial redox signaling to enhance heme oxygenase-1-mediated anti-inflammatory activity in vascular endothelium. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1013-23	7.8	55
76	Isolation and characterization of two novel A20-like proteins. <i>Biochemical Journal</i> , 2001 , 357, 617-23	3.8	53
75	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. <i>Cardiovascular Research</i> , 2021 , 117, 29-42	9.9	53
74	Hydrogen peroxide prolongs nuclear localization of NF- κ B in activated cells by suppressing negative regulatory mechanisms. <i>Journal of Biological Chemistry</i> , 2008 , 283, 18582-90	5.4	49
73	KLF2-dependent, shear stress-induced expression of CD59: a novel cytoprotective mechanism against complement-mediated injury in the vasculature. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14636-44	5.44	45
72	The transcription factor Erg inhibits vascular inflammation by repressing NF- κ B activation and proinflammatory gene expression in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 142-50	9.4	44
71	Do miniaturized extracorporeal circuits confer significant clinical benefit without compromising safety? A meta-analysis of randomized controlled trials. <i>ASAIO Journal</i> , 2011 , 57, 141-51	3.6	43
70	Cytomegalovirus infection of bile duct epithelial cells, hepatic artery and portal venous endothelium in relation to chronic rejection of liver grafts. <i>Journal of Hepatology</i> , 1999 , 31, 913-20	13.4	43
69	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. <i>Cardiovascular Research</i> , 2019 , 115, 1385-1392	9.9	40
68	Signaling through CD31 protects endothelial cells from apoptosis. <i>Transplantation</i> , 2001 , 71, 457-60	1.8	39
67	Cezanne regulates inflammatory responses to hypoxia in endothelial cells by targeting TRAF6 for deubiquitination. <i>Circulation Research</i> , 2013 , 112, 1583-91	15.7	38
66	The A20 gene protects kidneys from ischaemia/reperfusion injury by suppressing pro-inflammatory activation. <i>Journal of Molecular Medicine</i> , 2008 , 86, 1329-39	5.5	37

65	Zebrafish Model for Functional Screening of Flow-Responsive Genes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 130-143	9.4	32
64	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. <i>Cardiovascular Research</i> , 2019 , 115, 10-19	9.9	32
63	The influence of sulforaphane on vascular health and its relevance to nutritional approaches to prevent cardiovascular disease. <i>EPMA Journal</i> , 2011 , 2, 9-14	8.8	31
62	Hemodynamic parameters regulating vascular inflammation and atherosclerosis: a brief update. <i>Biomedicine and Pharmacotherapy</i> , 2008 , 62, 536-40	7.5	31
61	Dexamethasone arterializes venous endothelial cells by inducing mitogen-activated protein kinase phosphatase-1: a novel antiinflammatory treatment for vein grafts?. <i>Circulation</i> , 2011 , 123, 524-32	16.7	30
60	Atheroprone flow activates inflammation via endothelial ATP-dependent P2X7-p38 signalling. <i>Cardiovascular Research</i> , 2018 , 114, 324-335	9.9	28
59	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. <i>Journal of Hepatology</i> , 2001 , 34, 711-5	13.4	28
58	Interplay between hypercholesterolaemia and inflammation in atherosclerosis: Translating experimental targets into clinical practice. <i>European Journal of Preventive Cardiology</i> , 2018 , 25, 948-955	3.9	27
57	Regulation of pro-inflammatory signalling networks by ubiquitin: identification of novel targets for anti-inflammatory drugs. <i>Expert Reviews in Molecular Medicine</i> , 2005 , 7, 1-19	6.7	26
56	Sulforaphane induces neurovascular protection against a systemic inflammatory challenge via both Nrf2-dependent and independent pathways. <i>Vascular Pharmacology</i> , 2016 , 85, 29-38	5.9	26
55	Control of tissue morphology by Fasciclin III-mediated intercellular adhesion. <i>Development (Cambridge)</i> , 2013 , 140, 3858-68	6.6	25
54	In vivo mapping of vascular inflammation using the translocator protein tracer 18F-FEDAA1106. <i>Molecular Imaging</i> , 2014 , 13,	3.7	24
53	β1 integrin is a sensor of blood flow direction. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	23
52	Sulforaphane pretreatment prevents systemic inflammation and renal injury in response to cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 690-697.e3	1.5	23
51	Recognition of E-cadherin by integrin alpha(E)beta(7): requirement for cadherin dimerization and implications for cadherin and integrin function. <i>Journal of Biological Chemistry</i> , 2001 , 276, 30862-70	5.4	22
50	Interleukin-13 protects endothelial cells from apoptosis and activation: association with the protective genes A20 and A1. <i>Transplantation</i> , 2000 , 70, 928-34	1.8	21
49	Requirement of JNK1 for endothelial cell injury in atherogenesis. <i>Atherosclerosis</i> , 2014 , 235, 613-8	3.1	20
48	Alpha-galactosyl-mediated activation of porcine endothelial cells: studies on CD31 and VE-cadherin in adhesion and signaling. <i>Transplantation</i> , 1999 , 68, 861-7	1.8	19

47	Endothelial repair in stented arteries is accelerated by inhibition of Rho-associated protein kinase. <i>Cardiovascular Research</i> , 2016 , 112, 689-701	9.9	17
46	Heart rate reduction with ivabradine promotes shear stress-dependent anti-inflammatory mechanisms in arteries. <i>Thrombosis and Haemostasis</i> , 2016 , 116, 181-90	7	16
45	Aortic stiffness is an indicator of cognitive dysfunction before and after aortic valve replacement for aortic stenosis. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014 , 19, 595-604	1.8	15
44	Donor CD31 genotype and its association with acute graft-versus-host disease in HLA identical sibling stem cell transplantation. <i>Bone Marrow Transplantation</i> , 2005 , 36, 151-6	4.4	15
43	Implantation of a carotid cuff for triggering shear-stress induced atherosclerosis in mice. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	14
42	Zebrafish as a tractable model of human cardiovascular disease. <i>British Journal of Pharmacology</i> , 2021 ,	8.6	14
41	Disturbed flow induces a sustained, stochastic NF- κ B activation which may support intracranial aneurysm growth in vivo. <i>Scientific Reports</i> , 2019 , 9, 4738	4.9	13
40	Mini Bypass and Proinflammatory Leukocyte Activation: A Randomized Controlled Trial. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 1454-63	2.7	13
39	Loss of function of parathyroid hormone receptor 1 induces Notch-dependent aortic defects during zebrafish vascular development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1257-63	9.4	13
38	Protein kinase C activity induces anti-inflammatory and anti-apoptotic genes via an ERK1/2- and NF- κ B-dependent pathway to enhance vascular protection. <i>Biochemical Journal</i> , 2012 , 447, 193-204	3.8	13
37	Smooth muscle cells in porcine vein graft intimal hyperplasia are derived from the local vessel wall. <i>Cardiovascular Pathology</i> , 2011 , 20, e91-4	3.8	12
36	Dietary Docosahexaenoic Acid Reduces Oscillatory Wall Shear Stress, Atherosclerosis, and Hypertension, Most Likely Mediated via an IL-1-Mediated Mechanism. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	12
35	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. <i>Molecular and Cellular Biochemistry</i> , 2014 , 395, 167-75	4.2	11
34	Solid-phase immunoglobulins IgG and IgM activate macrophages with solid-phase IgM acting via a novel scavenger receptor a pathway. <i>American Journal of Pathology</i> , 2012 , 181, 347-61	5.8	11
33	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. <i>Journal of Virological Methods</i> , 1998 , 73, 41-52	2.6	11
32	Experimental Approaches to Study Endothelial Responses to Shear Stress. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 389-400	8.4	10
31	Aortic stiffness as a marker of cardiac function and myocardial strain in patients undergoing aortic valve replacement. <i>Journal of Cardiothoracic Surgery</i> , 2014 , 9, 102	1.6	10
30	A20 suppresses vascular inflammation by recruiting proinflammatory signaling molecules to intracellular aggresomes. <i>FASEB Journal</i> , 2015 , 29, 1869-78	0.9	10

29	Homeobox B9 integrates bone morphogenic protein 4 with inflammation at atheroprone sites. <i>Cardiovascular Research</i> , 2020 , 116, 1300-1310	9.9	10
28	The biology of A20-like molecules. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 809, 33-48	3.6	9
27	NF- κ B inhibition prevents acute shear stress-induced inflammation in the saphenous vein graft endothelium. <i>Scientific Reports</i> , 2020 , 10, 15133	4.9	9
26	Future directions for therapeutic strategies in post-ischaemic vascularization: a position paper from European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology. <i>Cardiovascular Research</i> , 2018 , 114, 1411-1421	9.9	8
25	A novel method for measuring absolute coronary blood flow and microvascular resistance in patients with ischaemic heart disease. <i>Cardiovascular Research</i> , 2021 , 117, 1567-1577	9.9	8
24	Cytoprotective signaling and gene expression in endothelial cells and macrophages-lessons for atherosclerosis. <i>Microcirculation</i> , 2013 , 20, 203-16	2.9	7
23	Diabetic atherosclerosis: is there a role for the hypoxia-inducible factors?. <i>Bioscience Reports</i> , 2020 , 40,	4.1	7
22	GATA4-Twist1 Signalling in Disturbed Flow-Induced Atherosclerosis. <i>Cardiovascular Drugs and Therapy</i> , 2019 , 33, 231-237	3.9	7
21	Endothelial NADPH oxidase 4 protects against angiotensin II-induced cardiac fibrosis and inflammation. <i>ESC Heart Failure</i> , 2021 , 8, 1427-1437	3.7	6
20	Bio-tribology of Vascular Devices: A Review of Tissue/Device Friction Research. <i>Biotribology</i> , 2021 , 25, 100169	2.3	5
19	Perfusion of veins at arterial pressure increases the expression of KLF5 and cell cycle genes in smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 818-23	3.4	4
18	Cezanne is a critical regulator of pathological arterial remodelling by targeting β catenin signalling. <i>Cardiovascular Research</i> , 2021 ,	9.9	4
17	Neutrophil microvesicles drive atherosclerosis by delivering miR-155 to atheroprone endothelium		3
16	β 1 integrin is a sensor of blood flow direction		2
15	Nrf2-Keap-1 imbalance under acute shear stress induces inflammatory response in venous endothelial cells. <i>Perfusion (United Kingdom)</i> , 2021 , 2676591211012571	1.9	2
14	Resilience of the Internal Mammary Artery to Atherogenesis: Shifting From Risk to Resistance to Address Unmet Needs. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2237-2251	9.4	2
13	Regulation of Endothelial Activation and Vascular Inflammation by Shear Stress 2013 , 77-85		2
12	Consumption of Broccoli Sprouts Attenuates Intracellular P38 Map Kinase and Reactive Oxygen Species Pro-Inflammatory Activation in Human Leukocytes: A Randomised- Controlled Trial. <i>Journal of Clinical Nutrition & Dietetics</i> , 2017 , 03,	0	1

11	Response by Feng et al to Letter Regarding Article, "Mechanical Activation of Hypoxia-Inducible Factor 1 β Drives Endothelial Dysfunction at Atheroprone Sites". <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, e199-e200	9.4	1
10	Shear stress, inflammation and Atherosclerosis. <i>Artery Research</i> , 2010 , 4, 41	2.2	1
9	JAG1-NOTCH4 Mechanosensing Drives Atherosclerosis		1
8	The year in basic vascular biology research: from mechanoreceptors and neutrophil extracellular traps to smartphone data and omics. <i>Cardiovascular Research</i> , 2021 , 117, 1814-1822	9.9	1
7	The effect of absent blood flow on the zebrafish cerebral and trunk vasculature. <i>Vascular Biology (Bristol, England)</i> , 2021 , 3, 1-16	2.9	1
6	Scientists on the Spot: A matter of blood flow. <i>Cardiovascular Research</i> , 2021 , 117, e162-e163	9.9	0
5	The Bernard and Joan Marshall Early Career Investigators and Distinguished Investigator Award 2018. <i>Cardiovascular Drugs and Therapy</i> , 2019 , 33, 203-205	3.9	0
4	192 Dietary Docosahexaenoic Acid Reduced Experimental Atherosclerosis by Inducing Protective Haemodynamic Conditions. <i>Heart</i> , 2015 , 101, A107.2-A107	5.1	
3	NR2 antibody is associated with quality of life in aortic valve replacement. <i>Asian Cardiovascular and Thoracic Annals</i> , 2015 , 23, 690-700	0.6	
2	Quantifying endothelial cell proliferation in the zebrafish embryo. <i>F1000Research</i> , 10, 1032	3.6	
1	Reply. <i>Annals of Thoracic Surgery</i> , 2016 , 102, 1765-1766	2.7	