Christopher R Triggle

List of Publications by Year in Descending Order

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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.

4,651 65 40 114 h-index g-index citations papers 5.82 122 5,307 5.4 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
114	3D Tissue-Engineered Vascular Drug Screening Platforms: Promise and Considerations <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 847554	5.4	4
113	Matching Drug Metabolites from Non-Targeted Metabolomics to Self-Reported Medication in the Qatar Biobank Study <i>Metabolites</i> , 2022 , 12,	5.6	1
112	COVID-19 Vaccines and Hyperglycemia-Is There a Need for Postvaccination Surveillance?. <i>Vaccines</i> , 2022 , 10,	5.3	2
111	Metformin: Is it a drug for all reasons and diseases?. Metabolism: Clinical and Experimental, 2022, 15522	2312.7	6
110	Requiem for impact factors and high publication charges. <i>Accountability in Research</i> , 2021 , 1-32	1.9	2
109	A Comprehensive Review of Viral Characteristics, Transmission, Pathophysiology, Immune Response, and Management of SARS-CoV-2 and COVID-19 as a Basis for Controlling the Pandemic. <i>Frontiers in Immunology</i> , 2021 , 12, 631139	8.4	43
108	Metformin Prevents Hyperglycemia-Associated, Oxidative Stress-Induced Vascular Endothelial Dysfunction: Essential Role for the Orphan Nuclear Receptor Human Nuclear Receptor 4A1 (Nur77). <i>Molecular Pharmacology</i> , 2021 , 100, 428-455	4.3	3
107	A Critical Review of the Evidence That Metformin Is a Putative Anti-Aging Drug That Enhances Healthspan and Extends Lifespan. <i>Frontiers in Endocrinology</i> , 2021 , 12, 718942	5.7	17
106	COVID-19: Learning from Lessons To Guide Treatment and Prevention Interventions. <i>MSphere</i> , 2020 , 5,	5	44
105	Why the endothelium? The endothelium as a target to reduce diabetes-associated vascular disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020 , 98, 415-430	2.4	22
104	A Review of the Progress and Challenges of Developing a Vaccine for COVID-19. <i>Frontiers in Immunology</i> , 2020 , 11, 585354	8.4	189
103	Potent and PPAR and ependent anti-proliferative action of the hypolipidemic drug fenofibrate in VEGF-dependent angiosarcomas in vitro. <i>Scientific Reports</i> , 2019 , 9, 6316	4.9	8
102	Exercise Alleviates Obesity-Induced Metabolic Dysfunction via Enhancing FGF21 Sensitivity in Adipose Tissues. <i>Cell Reports</i> , 2019 , 26, 2738-2752.e4	10.6	51
101	Minimizing Hyperglycemia-Induced Vascular Endothelial Dysfunction by Inhibiting Endothelial Sodium-Glucose Cotransporter 2 and Attenuating Oxidative Stress: Implications for Treating Individuals With Type 2 Diabetes. <i>Canadian Journal of Diabetes</i> , 2019 , 43, 510-514	2.1	17
100	Treatment with a Combination of Metformin and 2-Deoxyglucose Upregulates Thrombospondin-1 in Microvascular Endothelial Cells: Implications in Anti-Angiogenic Cancer Therapy. <i>Cancers</i> , 2019 , 11,	6.6	18
99	Metformin: The Answer to Cancer in a Flower? Current Knowledge and Future Prospects of Metformin as an Anti-Cancer Agent in Breast Cancer. <i>Biomolecules</i> , 2019 , 9,	5.9	40
98	Impact of currently used anti-diabetic drugs on myoendothelial communication. <i>Current Opinion in Pharmacology</i> , 2019 , 45, 1-7	5.1	6

(2014-2018)

97	Hyperglycaemia disrupts conducted vasodilation in the resistance vasculature of db/db mice. <i>Vascular Pharmacology</i> , 2018 , 103-105, 29-35	5.9	11
96	Hyperglycaemic impairment of PAR2-mediated vasodilation: Prevention by inhibition of aortic endothelial sodium-glucose-co-Transporter-2 and minimizing oxidative stress. <i>Vascular Pharmacology</i> , 2018 , 109, 56-71	5.9	57
95	Metformin is not just an antihyperglycaemic drug but also has protective effects on the vascular endothelium. <i>Acta Physiologica</i> , 2017 , 219, 138-151	5.6	67
94	Metformin represses glucose starvation induced autophagic response in microvascular endothelial cells and promotes cell death. <i>Biochemical Pharmacology</i> , 2017 , 132, 118-132	6	27
93	From Gutenberg to Open Science: An Unfulfilled Odyssey. <i>Drug Development Research</i> , 2017 , 78, 3-23	5.1	10
92	Effects of oxidative and thermal stresses on stress granule formation in human induced pluripotent stem cells. <i>PLoS ONE</i> , 2017 , 12, e0182059	3.7	17
91	Molecular Interplay between microRNA-34a and Sirtuin1 in Hyperglycemia-Mediated Impaired Angiogenesis in Endothelial Cells: Effects of Metformin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 356, 314-23	4.7	64
90	Metformin: An Old Drug for the Treatment of Diabetes but a New Drug for the Protection of the Endothelium. <i>Medical Principles and Practice</i> , 2015 , 24, 401-15	2.1	99
89	Fibroblast growth factor 21 prevents atherosclerosis by suppression of hepatic sterol regulatory element-binding protein-2 and induction of adiponectin in mice. <i>Circulation</i> , 2015 , 131, 1861-71	16.7	170
88	Metformin improves endothelial function in aortic tissue and microvascular endothelial cells subjected to diabetic hyperglycaemic conditions. <i>Biochemical Pharmacology</i> , 2015 , 98, 412-21	6	33
87	The answer is not 42. <i>Biochemical Pharmacology</i> , 2015 , 98, 327-34	6	4
86	MicroRNA Signature and Cardiovascular Dysfunction. <i>Journal of Cardiovascular Pharmacology</i> , 2015 , 65, 419-29	3.1	23
85	Challenges in the Biomedical Research Enterprise in the 21st century: Antecedents in the writings of David Triggle. <i>Biochemical Pharmacology</i> , 2015 , 98, 342-59	6	6
84	FGF21 maintains glucose homeostasis by mediating the cross talk between liver and brain during prolonged fasting. <i>Diabetes</i> , 2014 , 63, 4064-75	0.9	165
83	Proteinase-activated receptors 1 and 2 and the regulation of porcine coronary artery contractility: a role for distinct tyrosine kinase pathways. <i>British Journal of Pharmacology</i> , 2014 , 171, 2413-25	8.6	9
82	Cardiovascular impact of drugs used in the treatment of diabetes. <i>Therapeutic Advances in Chronic Disease</i> , 2014 , 5, 245-68	4.9	46
81	Metformin modulates hyperglycaemia-induced endothelial senescence and apoptosis through SIRT1. <i>British Journal of Pharmacology</i> , 2014 , 171, 523-35	8.6	154
80	Peroxynitrite Biology 2014 , 207-242		4

Proteinase-activated receptors, PAR1 & PAR2, regulate porcine coronary contractility via tyrosine kinase-MAPKinase signaling involving a cyclooxygenase (COX)-1 product. *FASEB Journal*, **2013**, 27, 880.2^{0.9}

78	Metformin modulates hyperglycemia-induced endothelial dysfunction through SIRT1. <i>FASEB Journal</i> , 2013 , 27, lb612	0.9	
77	The endothelium: influencing vascular smooth muscle in many ways. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012 , 90, 713-38	2.4	154
76	Endothelial dysfunction in diabetes mellitus: possible involvement of endoplasmic reticulum stress?. <i>Experimental Diabetes Research</i> , 2012 , 2012, 481840		75
75	The contribution of d-tubocurarine-sensitive and apamin-sensitive K-channels to EDHF-mediated relaxation of mesenteric arteries from eNOS-/- mice. <i>Journal of Cardiovascular Pharmacology</i> , 2012 , 59, 413-25	3.1	1
74	The endothelium in compliance and resistance vessels. Frontiers in Bioscience - Scholar, 2011, 3, 730-44	2.4	23
73	Perivascular adipose tissue-derived relaxing factors: release by peptide agonists via proteinase-activated receptor-2 (PAR2) and non-PAR2 mechanisms. <i>British Journal of Pharmacology</i> , 2011 , 164, 1990-2002	8.6	14
72	A review of endothelial dysfunction in diabetes: a focus on the contribution of a dysfunctional eNOS. <i>Journal of the American Society of Hypertension</i> , 2010 , 4, 102-15		70
71	Endothelial dysfunction in diabetes: multiple targets for treatment. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 459, 977-94	4.6	79
70	A role for nitroxyl (HNO) as an endothelium-derived relaxing and hyperpolarizing factor in resistance arteries. <i>British Journal of Pharmacology</i> , 2009 , 157, 540-50	8.6	100
69	Endothelium-dependent vasodilation in myogenically active mouse skeletal muscle arterioles: role of EDH and K(+) channels. <i>Microcirculation</i> , 2009 , 16, 377-90; 1 p following 390	2.9	19
68	Defying the economists: a decrease in heart rate improves not only cardiac but also endothelial function. <i>British Journal of Pharmacology</i> , 2008 , 154, 727-8	8.6	10
67	Effects of a Western diet versus high glucose on endothelium-dependent relaxation in murine micro- and macro-vasculature. <i>European Journal of Pharmacology</i> , 2008 , 601, 111-7	5.3	24
66	The early effects of elevated glucose on endothelial function as a target in the treatment of type 2 diabetes. <i>Timely Topics in Medicine Cardiovascular Diseases [electronic Resource]</i> , 2008 , 12, E3		5
65	Oxidative stress and increased eNOS and NADPH oxidase expression in mouse microvessel endothelial cells. <i>Journal of Cellular Physiology</i> , 2007 , 212, 682-9	7	78
64	Increased oxidative stress in the streptozotocin-induced diabetic apoE-deficient mouse: changes in expression of NADPH oxidase subunits and eNOS. <i>European Journal of Pharmacology</i> , 2007 , 561, 121-8	5.3	54
63	Nitrosothiol stores in vascular tissue: modulation by ultraviolet light, acetylcholine and ionomycin. <i>European Journal of Pharmacology</i> , 2007 , 560, 183-92	5.3	24
62	Calcium-activated potassium channel and connexin expression in small mesenteric arteries from eNOS-deficient (eNOS-/-) and eNOS-expressing (eNOS+/+) mice. <i>European Journal of Pharmacology</i> , 2007 , 560, 193-200	5.3	14

61	Widespread vascular production of C-reactive protein (CRP) and a relationship between serum CRP, plaque CRP and intimal hypertrophy. <i>Atherosclerosis</i> , 2007 , 191, 175-81	3.1	33
60	Vascular dysfunction in type 2 diabetic TallyHo mice: role for an increase in the contribution of PGH2/TxA2 receptor activation and cytochrome p450 products. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007 , 85, 404-12	2.4	22
59	The early effects of elevated glucose on endothelial function as a target in the treatment of type 2 diabetes. <i>Drugs of Today</i> , 2007 , 43, 815-26	2.5	7
58	What is the future of peer review? Why is there fraud in science? Is plagiarism out of control? Why do scientists do bad things? Is it all a case of: "all that is necessary for the triumph of evil is that good men do nothing"?. Vascular Health and Risk Management, 2007, 3, 39-53	4.4	34
57	Pharmacological characteristics of endothelium-derived hyperpolarizing factor-mediated relaxation of small mesenteric arteries from db/db mice. <i>European Journal of Pharmacology</i> , 2006 , 551, 98-107	5.3	42
56	Novel role for K+-dependent Na+/Ca2+ exchangers in regulation of cytoplasmic free Ca2+ and contractility in arterial smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H1226-35	5.2	39
55	A nonthiazolidinedione peroxisome proliferator-activated receptor gamma agonist reverses endothelial dysfunction in diabetic (db/db-/-) mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 364-70	4.7	8
54	Enhanced vascular reactivity of small mesenteric arteries from diabetic mice is associated with enhanced oxidative stress and cyclooxygenase products. <i>British Journal of Pharmacology</i> , 2005 , 144, 953-60	8.6	78
53	Endothelial dysfunction in the streptozotocin-induced diabetic apoE-deficient mouse. <i>British Journal of Pharmacology</i> , 2005 , 146, 1110-8	8.6	86
52	Twenty-five years since the discovery of endothelium-derived relaxing factor (EDRF): does a dysfunctional endothelium contribute to the development of type 2 diabetes?. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005 , 83, 681-700	2.4	24
51	Endothelial dysfunction in Type 2 diabetes correlates with deregulated expression of the tail-anchored membrane protein SLMAP. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H206-11	5.2	17
50	The vascular endothelium in diabetes: a practical target for drug treatment?. <i>Expert Opinion on Therapeutic Targets</i> , 2005 , 9, 101-17	6.4	18
49	Cytochrome P450 products and arachidonic acid-induced, non-store-operated, Ca2+ entry in cultured bovine endothelial cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2005 , 12, 153-61		6
48	Endothelial cell dysfunction and the vascular complications associated with type 2 diabetes: assessing the health of the endothelium. <i>Vascular Health and Risk Management</i> , 2005 , 1, 55-71	4.4	80
47	2-furoyl-LIGRLO-amide: a potent and selective proteinase-activated receptor 2 agonist. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 309, 1124-31	4.7	114
46	The endothelium in health and disease: A discussion of the contribution of non-nitric oxide endothelium-derived vasoactive mediators to vascular homeostasis in normal vessels and in type II diabetes. <i>Molecular and Cellular Biochemistry</i> , 2004 , 263, 21-7	4.2	21
45	Hyperpolarization of murine small caliber mesenteric arteries by activation of endothelial proteinase-activated receptor 2. <i>Canadian Journal of Physiology and Pharmacology</i> , 2004 , 82, 1103-12	2.4	30
44	Endothelium-Derived Hyperpolarizing Factor(s). Does it Exist and What Role Does it Play in the Regulation of Blood Flow?. <i>Progress in Experimental Cardiology</i> , 2004 , 341-348		

43	The endothelium in health and disease: a discussion of the contribution of non-nitric oxide endothelium-derived vasoactive mediators to vascular homeostasis in normal vessels and in type II diabetes. <i>Molecular and Cellular Biochemistry</i> , 2004 , 263, 21-7	4.2	7
42	The endothelium in health and diseasea target for therapeutic intervention. <i>Journal of Smooth Muscle Research</i> , 2003 , 39, 249-67	0.4	77
41	Endothelial cell dysfunction in type I and II diabetes: The cellular basis for dysfunction. <i>Drug Development Research</i> , 2003 , 58, 28-41	5.1	11
40	Contribution of EDHF and the role of potassium channels in the regulation of vascular tone. <i>Drug Development Research</i> , 2003 , 58, 81-89	5.1	3
39	Searching for the physiological role and therapeutic potential of vascular proteinase-activated receptor-2 (PAR2). <i>Drug Development Research</i> , 2003 , 60, 14-19	5.1	2
38	A photosensitive vascular smooth muscle store of nitric oxide in mouse aorta: no dependence on expression of endothelial nitric oxide synthase. <i>British Journal of Pharmacology</i> , 2003 , 138, 932-40	8.6	26
37	Chronic oral supplementation with sepiapterin prevents endothelial dysfunction and oxidative stress in small mesenteric arteries from diabetic (db/db) mice. <i>British Journal of Pharmacology</i> , 2003 , 140, 701-6	8.6	74
36	Catalase has negligible inhibitory effects on endothelium-dependent relaxations in mouse isolated aorta and small mesenteric artery. <i>British Journal of Pharmacology</i> , 2003 , 140, 1193-200	8.6	55
35	Endothelium-derived reactive oxygen species: their relationship to endothelium-dependent hyperpolarization and vascular tone. <i>Canadian Journal of Physiology and Pharmacology</i> , 2003 , 81, 1013-2	28.4	70
34	Endothelium-derived hyperpolarizing factor: is there a novel chemical mediator?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002 , 29, 153-60	3	34
33	Multiple mechanisms of vascular smooth muscle relaxation by the activation of proteinase-activated receptor 2 in mouse mesenteric arterioles. <i>British Journal of Pharmacology</i> , 2002 , 135, 155-69	8.6	67
32	Cellular basis of endothelial dysfunction in small mesenteric arteries from spontaneously diabetic (db/db -/-) mice: role of decreased tetrahydrobiopterin bioavailability. <i>British Journal of Pharmacology</i> , 2002 , 136, 255-63	8.6	147
31	NO and the vasculature: where does it come from and what does it do?. <i>Heart Failure Reviews</i> , 2002 , 7, 423-45	5	20
30	Proteinase-activated receptor-2 (PAR2): vascular effects of a PAR2-derived activating peptide via a receptor different than PAR2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 303, 985-9	2^{4.7}	35
29	Endothelin blockade potentiates endothelial protective effects of ACE inhibitors in saphenous veins. <i>Annals of Thoracic Surgery</i> , 2002 , 73, 1185-8	2.7	12
28	Vasorelaxant effects of a nitric oxide-releasing aspirin derivative in normotensive and hypertensive rats. <i>British Journal of Pharmacology</i> , 2001 , 133, 1314-22	8.6	49
27	Vascular smooth muscle relaxation mediated by nitric oxide donors: a comparison with acetylcholine, nitric oxide and nitroxyl ion. <i>British Journal of Pharmacology</i> , 2001 , 134, 463-72	8.6	95
26	Augmentation of endothelial function by endothelin antagonism in human saphenous vein conduits. <i>Journal of Neurosurgery</i> , 2001 , 94, 281-6	3.2	11

25	Endothelium-derived relaxing factors: A focus on endothelium-derived hyperpolarizing factor(s). <i>Canadian Journal of Physiology and Pharmacology</i> , 2001 , 79, 443-470	2.4	141
24	Endothelial Cell K+ Channels, Membrane Potential and the Release of Vasoactive Factors from the Vascular Endothelium 2001 , 667-689		1
23	Selective cyclo-oxygenase-2 inhibition with celecoxib elevates blood pressure and promotes leukocyte adherence. <i>British Journal of Pharmacology</i> , 2000 , 129, 1423-30	8.6	94
22	Comparison of the pharmacological properties of EDHF-mediated vasorelaxation in guinea-pig cerebral and mesenteric resistance vessels. <i>British Journal of Pharmacology</i> , 2000 , 130, 1983-91	8.6	47
21	Lack of involvement of endothelin-1 in angiotensin II-induced contraction of the isolated rat tail artery. <i>British Journal of Pharmacology</i> , 2000 , 131, 1055-64	8.6	6
20	Novel endothelium-derived relaxing factors. Identification of factors and cellular targets. <i>Journal of Pharmacological and Toxicological Methods</i> , 2000 , 44, 441-52	1.7	17
19	Tetrahydrobiopterin improves endothelial function in human saphenous veins. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2000 , 120, 668-71	1.5	40
18	Antihypertensive properties of a nitric oxide-releasing naproxen derivative in two-kidney, one-clip rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H528-35	5.2	27
17	Roles of calcium-activated and voltage-gated delayed rectifier potassium channels in endothelium-dependent vasorelaxation of the rabbit middle cerebral artery. <i>British Journal of Pharmacology</i> , 1998 , 123, 821-32	8.6	58
16	Dual endothelium-dependent vascular activities of proteinase-activated receptor-2-activating peptides: evidence for receptor heterogeneity. <i>British Journal of Pharmacology</i> , 1998 , 123, 1434-40	8.6	44
15	Cyclic GMP-dependent and cyclic GMP-independent actions of nitric oxide on the renal afferent arteriole. <i>British Journal of Pharmacology</i> , 1998 , 125, 563-9	8.6	33
14	Endothelium-dependent contractile actions of proteinase-activated receptor-2-activating peptides in human umbilical vein: release of a contracting factor via a novel receptor. <i>British Journal of Pharmacology</i> , 1998 , 125, 1445-54	8.6	40
13	Involvement of nitrosothiols, nitric oxide and voltage-gated K+ channels in photorelaxation of vascular smooth muscle. <i>European Journal of Pharmacology</i> , 1998 , 347, 215-21	5.3	32
12	NO/PGI2-independent vasorelaxation and the cytochrome P450 pathway in rabbit carotid artery. <i>British Journal of Pharmacology</i> , 1997 , 120, 695-701	8.6	67
11	Cardiovascular effects of CPU-23, a novel L-type calcium channel blocker with a unique molecular structure. <i>British Journal of Pharmacology</i> , 1997 , 122, 1271-8	8.6	6
10	Novel Hantzsch 1,4-dihydropyridines to study the structure f unction relationships of calcium channels and photoinduced relaxation. <i>Drug Development Research</i> , 1997 , 42, 120-130	5.1	6
9	Nitric oxide, a possible mediator of 1,4-dihydropyridine-induced photorelaxation of vascular smooth muscle. <i>British Journal of Pharmacology</i> , 1996 , 118, 879-84	8.6	11
8	Cardiovascular Pharmacology of CPU-23: A Novel Calcium Channel Blocker. <i>Cardiovascular Drug Reviews</i> , 1996 , 14, 364-379		O

7	Photosensitization of oesophageal smooth muscle by 3-NO2-1, 4-dihydropyridines: evidence for two cyclic GMP-dependent effector pathways. <i>British Journal of Pharmacology</i> , 1995 , 116, 3293-301	8.6	4
6	Mechanism of bile salt vasoactivity: dependence on calcium channels in vascular smooth muscle. <i>British Journal of Pharmacology</i> , 1994 , 112, 1209-15	8.6	20
5	The effects of perfusion rate and NG-nitro-L-arginine methyl ester on cirazoline- and KCl-induced responses in the perfused mesenteric arterial bed of rats. <i>British Journal of Pharmacology</i> , 1994 , 111, 13-20	8.6	27
4	Interactions of nitric oxide synthase inhibitors and dexamethasone with alpha-adrenoceptor-mediated responses in rat aorta. <i>British Journal of Pharmacology</i> , 1993 , 109, 495-50	8.6	27
3	The effects of alpha-adrenoceptor agonists on intracellular Ca2+ levels in freshly dispersed single smooth muscle cells from rat tail artery. <i>British Journal of Pharmacology</i> , 1993 , 109, 1272-5	8.6	13
2	Varying Extracellular [K+]. <i>Journal of Cardiovascular Pharmacology</i> , 1993 , 21, 423-429	3.1	248
1	Calcium antagonizes the magnesium-induced high affinity state of the hepatic vasopressin receptor for the agonist interaction. <i>British Journal of Pharmacology</i> , 1990 , 100, 5-10	8.6	3