Frances Plane

List of Publications by Year
in descending order

33 papers	1,678 citations	430874 18 h-index	526287 27 g-index
34 all docs	34 docs citations	34 times ranked	1137 citing authors

#	Article	IF	Citations
1	Deletion of murine slc29a4 modifies vascular responses to adenosine and 5â€hydroxytryptamine in a sexually dimorphic manner. Physiological Reports, 2020, 8, e14395.	1.7	11
2	Vascular Endothelium in Health and Disease. , 2020, , 1-18.		0
3	Impaired Endothelium-Dependent Hyperpolarization Underlies Endothelial Dysfunction during Early Metabolic Challenge: Increased ROS Generation and Possible Interference with NO Function. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 567-582.	2.5	20
4	High fructose consumption in pregnancy alters the perinatal environment without increasing metabolic disease in the offspring. Reproduction, Fertility and Development, 2016, 28, 2007.	0.4	18
5	Unraveling Interactions Between Anesthetics and the Endothelium. Anesthesia and Analgesia, 2016, 122, 330-348.	2.2	15
6	Activation of endothelial IK Ca channels underlies NO-dependent myoendothelial feedback. Vascular Pharmacology, 2015, 74, 130-138.	2.1	27
7	Nerveâ€evoked contraction of isolated resistance arteries is modulated by proteaseâ€activated receptors (1079.16). FASEB Journal, 2014, 28, 1079.16.	0.5	0
8	Activators of endothelial calciumâ€activated potassium channels enhance the availability of NO released in response to shear stress (1079.22). FASEB Journal, 2014, 28, 1079.22.	0.5	0
9	Triton X-100 inhibits L-type voltage-operated calcium channels. Canadian Journal of Physiology and Pharmacology, 2013, 91, 316-324.	1.4	7
10	Endothelial Ca²⁺ wavelets and the induction of myoendothelial feedback. American Journal of Physiology - Cell Physiology, 2012, 302, C1226-C1242.	4.6	102
11	Endothelial calcium-activated potassium channels as therapeutic targets to enhance availability of nitric oxide. Canadian Journal of Physiology and Pharmacology, 2012, 90, 739-752.	1.4	19
12	Endothelial Feedback and the Myoendothelial Projection. Microcirculation, 2012, 19, 416-422.	1.8	45
13	WHAT'S WHERE AND WHY AT A VASCULAR MYOENDOTHELIAL MICRODOMAIN SIGNALLING COMPLEX. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 67-76.	1.9	106
14	Mechanisms underlying nitric oxideâ€mediated modulation of vasoconstriction in small arteries. FASEB Journal, 2007, 21, A1232.	0.5	0
15	Activation of endothelial Ca2+â€activated potassium channels can improve endothelial function in basilar arteries from diabetic rats. FASEB Journal, 2007, 21, A1231.	0.5	0
16	Nitric oxideâ€dependent relaxation is modulated by intermediate conductance Ca2+â€activated potassium channels in rat mesenteric resistance arteries. FASEB Journal, 2007, 21, A1230.	0.5	0
17	Release of nitric oxide is modulated by endothelial cell membrane potential in rat basilar artery. FASEB Journal, 2006, 20, A1166.	0.5	1
18	Heteromultimeric Kv1 Channels Contribute to Myogenic Control of Arterial Diameter. Circulation Research, 2005, 96, 216-224.	4.5	114

#	Article	IF	Citations
19	Involvement of cyclic GMP and potassium channels in relaxation evoked by the nitric oxide donor, diethylamine NONOate, in the rat small isolated mesenteric artery. Naunyn-Schmiedeberg's Archives of Pharmacology, 2001, 364, 220-225.	3.0	30
20	Relaxation to authentic nitric oxide and SIN-1 in rat isolated mesenteric arteries: variable role for smooth muscle hyperpolarization. British Journal of Pharmacology, 2001, 133, 665-672.	5.4	23
21	Investigation of the inhibitory effects of homocysteine and copper on nitric oxideâ€mediated relaxation of rat isolated aorta. British Journal of Pharmacology, 1999, 126, 1034-1040.	5.4	83
22	Evidence that different mechanisms underlie smooth muscle relaxation to nitric oxide and nitric oxide donors in the rabbit isolated carotid artery. British Journal of Pharmacology, 1998, 123, 1351-1358.	5.4	85
23	Interactions between endothelium-derived relaxing factors in the rat hepatic artery: focus on regulation of EDHF. British Journal of Pharmacology, 1998, 124, 992-1000.	5.4	49
24	Effect of copper on nitric oxide synthase and guanylyl cyclase activity in the rat isolated aorta. British Journal of Pharmacology, 1997, 121, 345-350.	5.4	36
25	Influence of contractile agonists on the mechanism of endotheliumâ€dependent relaxation in rat isolated mesenteric artery. British Journal of Pharmacology, 1996, 119, 191-193.	5.4	53
26	Evidence that potassium channels make a major contribution to SINâ€1â€evoked relaxation of rat isolated mesenteric artery. British Journal of Pharmacology, 1996, 119, 1557-1562.	5.4	45
27	Multiple pathways underlying endotheliumâ€dependent relaxation in the rabbit isolated femoral artery. British Journal of Pharmacology, 1995, 115, 31-38.	5.4	54
28	Endothelium-dependent hyperpolarization: a role in the control of vascular tone. Trends in Pharmacological Sciences, 1995, 16, 23-30.	8.7	432
29	Probucol and other antioxidants prevent the inhibition of endothelium-dependent relaxation by low density lipoproteins. Atherosclerosis, 1993, 103, 73-79.	0.8	43
30	Oxidative modification of lowâ€density lipoproteins and the inhibition of relaxations mediated by endotheliumâ€derived nitric oxide in rabbit aorta. British Journal of Pharmacology, 1992, 105, 216-222.	5.4	74
31	Inhibition of endothelium-dependent relaxation by oxidized low-density lipoproteins. Biochemical Society Transactions, 1990, 18, 1177-1178.	3.4	13
32	Native and oxidized lowâ€density lipoproteins have different inhibitory effects on endotheliumâ€derived relaxing factor in the rabbit aorta. British Journal of Pharmacology, 1990, 100, 21-26.	5.4	170
33	The Endothelium: The Vascular Information Exchange. , 0, , .		1