Fabrice Dabertrand

List of Publications by Year in Descending Order

37 papers	911 citations	16 h-index	30 g-index
43 ext. papers	1,144 ext. citations	5.8 avg, IF	4.24 L-index

#	Paper	IF	Citations
37	PIP corrects cerebral blood flow deficits in small vessel disease by rescuing capillary Kir2.1 activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	14
36	Prostaglandin E Dilates Intracerebral Arterioles When Applied to Capillaries: Implications for Small Vessel Diseases. *Frontiers in Aging Neuroscience*, **2021**, 13, 695965	5.3	4
35	Differential restoration of functional hyperemia by antihypertensive drug classes in hypertension-related cerebral small vessel disease. *Journal of Clinical Investigation*, **2021**, 131,	15.9	6
34	Reducing Hypermuscularization of the Transitional Segment Between Arterioles and Capillaries Protects Against Spontaneous Intracerebral Hemorrhage. *Circulation*, **2020**, 141, 2078-2094	16.7	22
33	The capillary Kir channel as sensor and amplifier of neuronal signals: Modeling insights on K-mediated neurovascular communication. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 16626-16637	11.5	18
32	HB-EGF depolarizes hippocampal arterioles to restore myogenic tone in a genetic model of small vessel disease. *Mechanisms of Ageing and Development*, **2020**, 192, 111389	5.6	4
31	Ex Vivo Pressurized Hippocampal Capillary-Parenchymal Arteriole Preparation for Functional Study. *Journal of Visualized Experiments*, **2019**,	1.6	3
30	The yin and yang of K channels in cerebral small vessel pathologies. *Microcirculation*, **2018**, 25, e12436	2.9	9
29	Changes in Cerebral Arteries and Parenchymal Arterioles With Aging: Role of Rho Kinase 2 and Impact of Genetic Background. *Hypertension*, **2018**, 71, 921-927	8.5	17
28	Endothelial GqPCR activity controls capillary electrical signaling and brain blood flow through PIP depletion. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E3569-E3577	11.5	38
27	Kir mediates Regenerative and Directional Conduction of Hyperpolarization in Brain Capillaries: Importance for Neurovascular Coupling. *FASEB Journal*, **2018**, 32, 712.12	0.9	
26	Capillary K-sensing initiates retrograde hyperpolarization to increase local cerebral blood flow. *Nature Neuroscience*, **2017**, 20, 717-726	25.5	240
25	Isolation and Cannulation of Cerebral Parenchymal Arterioles. *Journal of Visualized Experiments*, **2016**,	1.6	12
24	Mechanistic insights into a TIMP3-sensitive pathway constitutively engaged in the regulation of cerebral hemodynamics. *ELife*, **2016**, 5,	8.9	42
23	Blood brain barrier precludes the cerebral arteries to intravenously-injected antisense oligonucleotide. *European Journal of Pharmacology*, **2015**, 747, 141-9	5.3	7
22	Potassium channelopathy-like defect underlies early-stage cerebrovascular dysfunction in a genetic model of small vessel disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E796-805	11.5	55
21	Disruption Of Astrocytic Calcium Signaling During Neurovascular Coupling In A Genetic Model Of Small Vessel Disease. *FASEB Journal*, **2015**, 29, 832.6	0.9	

20	Up-regulation of ryanodine receptor expression increases the calcium-induced calcium release and spontaneous calcium signals in cerebral arteries from hindlimb unloaded rats. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 1517-28	4.6	7
19	Stress-induced glucocorticoid signaling remodels neurovascular coupling through impairment of cerebrovascular inwardly rectifying K+ channel function. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7462-7	11.5	58
18	A PLC1-dependent, force-sensitive signaling network in the myogenic constriction of cerebral arteries. *Science Signaling*, **2014**, 7, ra49	8.8	73
17	Contribution of voltage-gated potassium channels in cerebrovascular dysfunction associated with a genetic model of ischemic small vessel disease (1068.1). *FASEB Journal*, **2014**, 28, 1068.1	0.9	
16	Ryanodine receptors, calcium signaling, and regulation of vascular tone in the cerebral parenchymal microcirculation. *Microcirculation*, **2013**, 20, 307-16	2.9	28
15	Prostaglandin E2, a postulated astrocyte-derived neurovascular coupling agent, constricts rather than dilates parenchymal arterioles. *Journal of Cerebral Blood Flow and Metabolism*, **2013**, 33, 479-82	7.3	35
14	Critical role of Kv channels in cerebrovascular dysfunction associated with ischemic small vessel disease in a mouse genetic model. *FASEB Journal*, **2013**, 27, 925.7	0.9	
13	Impairment of Neurovascular Coupling by Chronic Stress. *FASEB Journal*, **2013**, 27, 925.9	0.9	
12	Calcium-sensitive potassium channels are not involved in the decreased myogenic tone of posterior cerebral arteries in a genetic model of cerebral ischemic small vessel disease. *FASEB Journal*, **2013**, 27, lb671	0.9	
11	Acidosis dilates brain parenchymal arterioles by conversion of calcium waves to sparks to activate BK channels. *Circulation Research*, **2012**, 110, 285-94	15.7	76
10	Spaceflight regulates ryanodine receptor subtype 1 in portal vein myocytes in the opposite way of hypertension. *Journal of Applied Physiology*, **2012**, 112, 471-80	3.7	17
9	Profound decrease in myogenic tone of parenchymal arterioles in a genetic model of cerebral ischemic small vessel disease. *FASEB Journal*, **2012**, 26, 685.6	0.9	
8	Role of ryanodine receptors in acidic pH-induced dilation of brain parenchymal arterioles. *FASEB Journal*, **2011**, 25, 1024.15	0.9	
7	Comparison between gentamycin and exon skipping treatments to restore ryanodine receptor subtype 2 functions in mdx mouse duodenum myocytes. *European Journal of Pharmacology*, **2010**, 628, 36-41	5.3	7
6	The decrease of expression of ryanodine receptor sub-type 2 is reversed by gentamycin sulphate in vascular myocytes from mdx mice. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 3122-30	5.6	8
5	Full length ryanodine receptor subtype 3 encodes spontaneous calcium oscillations in native duodenal smooth muscle cells. *Cell Calcium*, **2008**, 44, 180-9	4	15
4	Acetylcholine evokes an InsP3R1-dependent transient Ca2+ signal in rat duodenum myocytes. *Canadian Journal of Physiology and Pharmacology*, **2008**, 86, 626-32	2.4	3
3	Strain differences in hypothalamic pituitary adrenocortical axis function and adipogenic effects of corticosterone in rats. *Journal of Endocrinology*, **2007**, 195, 473-84	4.7	29

2	Role of RYR3 splice variants in calcium signaling in mouse nonpregnant and pregnant myometrium. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C848-54	5.4	29
1	Modulation of calcium signalling by dominant negative splice variant of ryanodine receptor subtype 3 in native smooth muscle cells. *Cell Calcium*, **2006**, 40, 11-21	4	34