Osama F Harraz

List of Publications by Citations

36 papers	600 citations	15 h-index	24 g-index
42 ext. papers	817 ext. citations	7 avg, IF	4.36 L-index

#	Paper	IF	Citations
36	PIP depletion promotes TRPV4 channel activity in mouse brain capillary endothelial cells. *ELife*, **2018**, 7,	8.9	69
35	Identification of L- and T-type Ca2+ channels in rat cerebral arteries: role in myogenic tone development. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 304, H58-71	5.2	61
34	Ca(V)3.2 channels and the induction of negative feedback in cerebral arteries. *Circulation Research*, **2014**, 115, 650-61	15.7	49
33	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
32	Nitric oxide suppresses vascular voltage-gated T-type Ca2+ channels through cGMP/PKG signaling. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H279-85	5.2	37
31	Genetic ablation of CaV3.2 channels enhances the arterial myogenic response by modulating the RyR-BKCa axis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1843-51	9.4	31
30	TRPV4 and KRAS and FGFR1 gain-of-function mutations drive giant cell lesions of the jaw. *Nature Communications*, **2018**, 9, 4572	17.4	30
29	CaV1.2/CaV3.x channels mediate divergent vasomotor responses in human cerebral arteries. *Journal of General Physiology*, **2015**, 145, 405-18	3.4	28
28	STIM1-mediated bidirectional regulation of Ca(2+) entry through voltage-gated calcium channels (VGCC) and calcium-release activated channels (CRAC). *Frontiers in Cellular Neuroscience*, **2014**, 8, 43	6.1	28
27	Protein kinase A regulation of T-type Ca2+ channels in rat cerebral arterial smooth muscle. *Journal of Cell Science*, **2013**, 126, 2944-54	5.3	28
26	Do TRPC-like currents and G protein-coupled receptors interact to facilitate myogenic tone development?. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H1378-88	5.2	25
25	Facilitation of central imidazoline I(1)-site/extracellular signal-regulated kinase/p38 mitogen-activated protein kinase signalling mediates the hypotensive effect of ethanol in rats with acute renal failure. *British Journal of Pharmacology*, **2009**, 158, 1629-40	8.6	20
24	PIP: A critical regulator of vascular ion channels hiding in plain sight. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 20378-20389	11.5	19
23	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
22	PIP Improves Cerebral Blood Flow in a Mouse Model of Alzheimer□s Disease. *Function*, **2021**, 2, zqab010	6.1	15
21	Interplay among distinct Ca conductances drives Ca sparks/spontaneous transient outward currents in rat cerebral arteries. *Journal of Physiology*, **2017**, 595, 1111-1126	3.9	14
20	T-type Ca□+ channels in cerebral arteries: approaches, hypotheses, and speculation. *Microcirculation* , **2013**, 20, 299-306	2.9	14

19	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
18	Local IP receptor-mediated Ca signals compound to direct blood flow in brain capillaries. *Science Advances*, **2021**, 7,	14.3	12
17	Caveolae Link Ca3.2 Channels to BK-Mediated Feedback in Vascular Smooth Muscle. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2371-2381	9.4	11
16	Aging, calcium channel signaling and vascular tone. *Mechanisms of Ageing and Development*, **2020**, 191, 111336	5.6	8
15	Zinc drives vasorelaxation by acting in sensory nerves, endothelium and smooth muscle. *Nature Communications*, **2021**, 12, 3296	17.4	6
14	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
13	Adenosinergic modulation of the imidazoline I□receptor-dependent hypotensive effect of ethanol in acute renal failure. *Food and Chemical Toxicology*, **2012**, 50, 2622-8	4.7	5
12	Piezo1 Is a Mechanosensor Channel in Central Nervous System Capillaries.. *Circulation Research*, **2022**, 101161CIRCRESAHA122320827	15.7	4
11	Neural activity drives dynamic Ca2+ signals in capillary endothelial cells that shape local brain blood flow. *FASEB Journal*, **2019**, 33, 688.8	0.9	3
10	Piezo1 is a mechanosensor channel in CNS capillaries. *Journal of General Physiology*, **2022**, 154,	3.4	2
9	Vascular calcium signalling and ageing. *Journal of Physiology*, **2021**,	3.9	2
8	Protein kinase A-mediated inhibition of T-type Ca2+ channels in the cerebral circulation. *FASEB Journal*, **2012**, 26, 870.12	0.9	1
7	Traumatic Brain Injury Impairs Systemic Vascular Function Through Disruption of Inward-Rectifier Potassium Channels. *Function*, **2021**, 2,	6.1	1
6	Kir mediates Regenerative and Directional Conduction of Hyperpolarization in Brain Capillaries: Importance for Neurovascular Coupling. *FASEB Journal*, **2018**, 32, 712.12	0.9	
5	T-Type Ca2+ Channels in Vascular Smooth Muscle **2018**, 105-121		
4	Human CaV1.2/CaV3.x channels mediate paradoxical vasomotor responses in the human cerebral circulation (677.11). *FASEB Journal*, **2014**, 28, 677.11	0.9	
3	Adenosinergic Modulation Of The Imidazoline I1-Receptor-Dependent Hypotensive Effect Of Ethanol In Acute Renal Failure. *FASEB Journal*, **2010**, 24, 961.10	0.9	
2	Protein Kinase G Inhibits T-type Ca2+ Channels in Rat Cerebral Arteries. *FASEB Journal*, **2013**, 27, 921.3	0.9	

1 L-and T-type Ca2+ Channels in Human Cerebral Circulation. *FASEB Journal*, **2013**, 27, 1203.16 0.9