

# Osama F Harraz

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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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.

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	Piezo1 is a mechanosensor channel in CNS capillaries. <i>Journal of General Physiology</i> , <b>2022</b> , 154,	3.4	2
35	Piezo1 Is a Mechanosensor Channel in Central Nervous System Capillaries.. <i>Circulation Research</i> , <b>2022</b> , 101161CIRCRESAHA122320827	15.7	4
34	Vascular calcium signalling and ageing. <i>Journal of Physiology</i> , <b>2021</b> ,	3.9	2
33	Traumatic Brain Injury Impairs Systemic Vascular Function Through Disruption of Inward-Rectifier Potassium Channels. <i>Function</i> , <b>2021</b> , 2,	6.1	1
32	PIP corrects cerebral blood flow deficits in small vessel disease by rescuing capillary Kir2.1 activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	14
31	Zinc drives vasorelaxation by acting in sensory nerves, endothelium and smooth muscle. <i>Nature Communications</i> , <b>2021</b> , 12, 3296	17.4	6
30	PIP Improves Cerebral Blood Flow in a Mouse Model of Alzheimer's Disease. <i>Function</i> , <b>2021</b> , 2, zqab010	6.1	15
29	Local IP receptor-mediated Ca signals compound to direct blood flow in brain capillaries. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	12
28	Differential restoration of functional hyperemia by antihypertensive drug classes in hypertension-related cerebral small vessel disease. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	6
27	The capillary Kir channel as sensor and amplifier of neuronal signals: Modeling insights on K-mediated neurovascular communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 16626-16637	11.5	18
26	Aging, calcium channel signaling and vascular tone. <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 191, 111336	5.6	8
25	PIP: A critical regulator of vascular ion channels hiding in plain sight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 20378-20389	11.5	19
24	Neural activity drives dynamic Ca <sup>2+</sup> signals in capillary endothelial cells that shape local brain blood flow. <i>FASEB Journal</i> , <b>2019</b> , 33, 688.8	0.9	3
23	Endothelial GqPCR activity controls capillary electrical signaling and brain blood flow through PIP depletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E3569-E3577	11.5	38
22	PIP depletion promotes TRPV4 channel activity in mouse brain capillary endothelial cells. <i>ELife</i> , <b>2018</b> , 7,	8.9	69
21	Kir mediates Regenerative and Directional Conduction of Hyperpolarization in Brain Capillaries: Importance for Neurovascular Coupling. <i>FASEB Journal</i> , <b>2018</b> , 32, 712.12	0.9	
20	T-Type Ca <sup>2+</sup> Channels in Vascular Smooth Muscle <b>2018</b> , 105-121		

19	Caveolae Link Ca <sub>v</sub> 3.2 Channels to BK-Mediated Feedback in Vascular Smooth Muscle. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 2371-2381	9.4	11
18	TRPV4 and KRAS and FGFR1 gain-of-function mutations drive giant cell lesions of the jaw. <i>Nature Communications</i> , <b>2018</b> , 9, 4572	17.4	30
17	Interplay among distinct Ca conductances drives Ca sparks/spontaneous transient outward currents in rat cerebral arteries. <i>Journal of Physiology</i> , <b>2017</b> , 595, 1111-1126	3.9	14
16	Genetic ablation of Ca <sub>v</sub> 3.2 channels enhances the arterial myogenic response by modulating the RyR-BKCa axis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1843-51	9.4	31
15	Ca <sub>v</sub> 1.2/Ca <sub>v</sub> 3.x channels mediate divergent vasomotor responses in human cerebral arteries. <i>Journal of General Physiology</i> , <b>2015</b> , 145, 405-18	3.4	28
14	Nitric oxide suppresses vascular voltage-gated T-type Ca <sub>2+</sub> channels through cGMP/PKG signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H279-85	5.2	37
13	STIM1-mediated bidirectional regulation of Ca(2+) entry through voltage-gated calcium channels (VGCC) and calcium-release activated channels (CRAC). <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 43	6.1	28
12	Ca <sub>v</sub> (V)3.2 channels and the induction of negative feedback in cerebral arteries. <i>Circulation Research</i> , <b>2014</b> , 115, 650-61	15.7	49
11	Human Ca <sub>v</sub> 1.2/Ca <sub>v</sub> 3.x channels mediate paradoxical vasomotor responses in the human cerebral circulation (677.11). <i>FASEB Journal</i> , <b>2014</b> , 28, 677.11	0.9	
10	Identification of L- and T-type Ca <sub>2+</sub> channels in rat cerebral arteries: role in myogenic tone development. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 304, H58-71	5.2	61
9	T-type Ca <sub>v</sub> channels in cerebral arteries: approaches, hypotheses, and speculation. <i>Microcirculation</i> , <b>2013</b> , 20, 299-306	2.9	14
8	Protein kinase A regulation of T-type Ca <sub>2+</sub> channels in rat cerebral arterial smooth muscle. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 2944-54	5.3	28
7	Protein Kinase G Inhibits T-type Ca <sub>2+</sub> Channels in Rat Cerebral Arteries. <i>FASEB Journal</i> , <b>2013</b> , 27, 921.3	0.9	
6	L-and T-type Ca <sub>2+</sub> Channels in Human Cerebral Circulation. <i>FASEB Journal</i> , <b>2013</b> , 27, 1203.16	0.9	
5	Adenosinergic modulation of the imidazoline I <sub>1</sub> -receptor-dependent hypotensive effect of ethanol in acute renal failure. <i>Food and Chemical Toxicology</i> , <b>2012</b> , 50, 2622-8	4.7	5
4	Protein kinase A-mediated inhibition of T-type Ca <sub>2+</sub> channels in the cerebral circulation. <i>FASEB Journal</i> , <b>2012</b> , 26, 870.12	0.9	1
3	Do TRPC-like currents and G protein-coupled receptors interact to facilitate myogenic tone development?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H1378-88	5.2	25
2	Adenosinergic Modulation Of The Imidazoline I <sub>1</sub> -Receptor-Dependent Hypotensive Effect Of Ethanol In Acute Renal Failure. <i>FASEB Journal</i> , <b>2010</b> , 24, 961.10	0.9	

- 1 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