Jorge A Castorena-Gonzalez

List of Publications by Citations

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Version: 2024-04-28

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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.

27 papers	614 citations	13 h-index	24 g-index
28 ext. papers	802 ext. citations	4.6 avg, IF	4.01 L-index

#	Paper	IF	Citations
27	Lymphatic pumping: mechanics, mechanisms and malfunction. *Journal of Physiology*, **2016**, 594, 5749-5768	3.9	160
26	Biofuel Cell Operating in Vivo in Rat. *Electroanalysis*, **2013**, 25, 1579-1584	3	107
25	Regional variation in arterial stiffening and dysfunction in Western diet-induced obesity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H574-82	5.2	41
24	Differences in L-type Ca channel activity partially underlie the regional dichotomy in pumping behavior by murine peripheral and visceral lymphatic vessels. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H991-H1010	5.2	36
23	Development and Characterization of A Novel Prox1-EGFP Lymphatic and Schlemm's Canal Reporter Rat. *Scientific Reports*, **2017**, 7, 5577	4.9	32
22	Mechanisms of Connexin-Related Lymphedema. *Circulation Research*, **2018**, 123, 964-985	15.7	30
21	Mechanisms of the inward remodeling process in resistance vessels: is the actin cytoskeleton involved?. *Microcirculation*, **2014**, 21, 219-29	2.9	26
20	Arterial Stiffening in Western Diet-Fed Mice Is Associated with Increased Vascular Elastin, Transforming Growth Factor-□and Plasma Neuraminidase. *Frontiers in Physiology*, **2016**, 7, 285	4.6	24
19	Calcium and electrical dynamics in lymphatic endothelium. *Journal of Physiology*, **2017**, 595, 7347-7368	3.9	23
18	High-Salt Diet Causes Expansion of the Lymphatic Network and Increased Lymph Flow in Skin and Muscle of Rats. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2054-2064	9.4	22
17	The obligatory role of the actin cytoskeleton on inward remodeling induced by dithiothreitol activation of endogenous transglutaminase in isolated arterioles. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H485-95	5.2	17
16	Experimental Models Used to Assess Lymphatic Contractile Function. *Lymphatic Research and Biology*, **2017**, 15, 331-342	2.3	17
15	Kir6.1-dependent K channels in lymphatic smooth muscle and vessel dysfunction in mice with Kir6.1 gain-of-function. *Journal of Physiology*, **2020**, 598, 3107-3127	3.9	13
14	T-type, but not L-type, voltage-gated calcium channels are dispensable for lymphatic pacemaking and spontaneous contractions. *Scientific Reports*, **2020**, 10, 70	4.9	12
13	Lysophosphatidic acid induces integrin activation in vascular smooth muscle and alters arteriolar myogenic vasoconstriction. *Frontiers in Physiology*, **2014**, 5, 413	4.6	11
12	An experimental and theoretical approach to the study of the photoacoustic signal produced by cancer cells. *AIP Advances*, **2012**, 2, 011102	1.5	11
11	Simplified method to quantify valve back-leak uncovers severe mesenteric lymphatic valve dysfunction in mice deficient in connexins 43 and 37. *Journal of Physiology*, **2020**, 598, 2297-2310	3.9	7

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10	Brief serotonin exposure initiates arteriolar inward remodeling processes in vivo that involve transglutaminase activation and actin cytoskeleton reorganization. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H188-98	5.2	7
9	Foxo1 deletion promotes the growth of new lymphatic valves. *Journal of Clinical Investigation*, **2021** , 131,	15.9	5
8	Methods for Assessing the Contractile Function of Mouse Lymphatic Vessels Ex Vivo. *Methods in Molecular Biology*, **2018**, 1846, 229-248	1.4	5
7	Soil Lead (Pb) in New Orleans: A Spatiotemporal and Racial Analysis. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	3
6	Effects of Elevated Downstream Pressure and the Role of Smooth Muscle Cell Coupling through Connexin45 on Lymphatic Pacemaking. *Biomolecules*, **2020**, 10,	5.9	2
5	Electrical Pacemaking in Lymphatic Vessels **2018**, 323-359		1
4	ADAM17 Cleaves the Insulin Receptor β Subunit on Endothelial Cells and Induces Vascular Insulin Resistance in Type 2 Diabetes. *FASEB Journal*, **2019**, 33, 685.7	0.9	1
3	Lymphatic Valve Dysfunction in Western Diet-Fed Mice: New Insights Into Obesity-Induced Lymphedema.. *Frontiers in Pharmacology*, **2022**, 13, 823266	5.6	1
2	Induction of inward arterial remodeling is ameliorated in vivo by inhibition of actin polymerization dynamics in a mouse model of hypertension. *FASEB Journal*, **2018**, 32, lb278	0.9	
1	Age-Related Changes in Skeletal Muscle and Small Mesenteric Arterial Function in Spontaneously Hypertensive Rats. *FASEB Journal*, **2019**, 33, lb456	0.9	