

# Jorge A Castorena-Gonzalez

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

981  
citations

567144

15  
h-index

610775

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lymphatic pumping: mechanics, mechanisms and malfunction. <i>Journal of Physiology</i> , 2016, 594, 5749-5768.	1.3	256
2	Biofuel Cell Operating in Vivo in Rat. <i>Electroanalysis</i> , 2013, 25, 1579-1584.	1.5	125
3	Differences in L-type Ca <sup>2+</sup> channel activity partially underlie the regional dichotomy in pumping behavior by murine peripheral and visceral lymphatic vessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H991-H1010.	1.5	64
4	Mechanisms of Connexin-Related Lymphedema. <i>Circulation Research</i> , 2018, 123, 964-985.	2.0	54
5	Regional variation in arterial stiffening and dysfunction in Western diet-induced obesity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H574-H582.	1.5	51
6	Development and Characterization of A Novel Prox1-EGFP Lymphatic and Schlemm's Canal Reporter Rat. <i>Scientific Reports</i> , 2017, 7, 5577.	1.6	45
7	Mechanisms of the Inward Remodeling Process in Resistance Vessels: Is the Actin Cytoskeleton Involved?. <i>Microcirculation</i> , 2014, 21, 219-229.	1.0	40
8	High-Salt Diet Causes Expansion of the Lymphatic Network and Increased Lymph Flow in Skin and Muscle of Rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2054-2064.	1.1	38
9	Calcium and electrical dynamics in lymphatic endothelium. <i>Journal of Physiology</i> , 2017, 595, 7347-7368.	1.3	35
10	Kir6.1-dependent K <sup>ATP</sup> channels in lymphatic smooth muscle and vessel dysfunction in mice with Kir6.1 gain-of-function. <i>Journal of Physiology</i> , 2020, 598, 3107-3127.	1.3	34
11	T-type, but not L-type, voltage-gated calcium channels are dispensable for lymphatic pacemaking and spontaneous contractions. <i>Scientific Reports</i> , 2020, 10, 70.	1.6	34
12	Arterial Stiffening in Western Diet-Fed Mice Is Associated with Increased Vascular Elastin, Transforming Growth Factor- $\beta$ 2, and Plasma Neuraminidase. <i>Frontiers in Physiology</i> , 2016, 7, 285.	1.3	33
13	Foxo1 deletion promotes the growth of new lymphatic valves. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	32
14	Experimental Models Used to Assess Lymphatic Contractile Function. <i>Lymphatic Research and Biology</i> , 2017, 15, 331-342.	0.5	23
15	The obligatory role of the actin cytoskeleton on inward remodeling induced by dithiothreitol activation of endogenous transglutaminase in isolated arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H485-H495.	1.5	20
16	Lysophosphatidic acid induces integrin activation in vascular smooth muscle and alters arteriolar myogenic vasoconstriction. <i>Frontiers in Physiology</i> , 2014, 5, 413.	1.3	18
17	Simplified method to quantify valve backleak uncovers severe mesenteric lymphatic valve dysfunction in mice deficient in connexins 43 and 37. <i>Journal of Physiology</i> , 2020, 598, 2297-2310.	1.3	15
18	An experimental and theoretical approach to the study of the photoacoustic signal produced by cancer cells. <i>AIP Advances</i> , 2012, 2, .	0.6	13

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19	Brief serotonin exposure initiates arteriolar inward remodeling processes in vivo that involve transglutaminase activation and actin cytoskeleton reorganization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H188-H198.	1.5	11
20	Methods for Assessing the Contractile Function of Mouse Lymphatic Vessels Ex Vivo. <i>Methods in Molecular Biology</i> , 2018, 1846, 229-248.	0.4	11
21	Soil Lead (Pb) in New Orleans: A Spatiotemporal and Racial Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1314.	1.2	10
22	Effects of Elevated Downstream Pressure and the Role of Smooth Muscle Cell Coupling through Connexin45 on Lymphatic Pacemaking. <i>Biomolecules</i> , 2020, 10, 1424.	1.8	9
23	Lymphatic Valve Dysfunction in Western Diet-Fed Mice: New Insights Into Obesity-Induced Lymphedema. <i>Frontiers in Pharmacology</i> , 2022, 13, 823266.	1.6	7
24	Electrical Pacemaking in Lymphatic Vessels. , 2018, , 323-359.		2
25	ADAM17 Cleaves the Insulin Receptor $\beta$ -subunit on Endothelial Cells and Induces Vascular Insulin Resistance in Type 2 Diabetes. <i>FASEB Journal</i> , 2019, 33, 685.7.	0.2	1
26	Induction of inward arterial remodeling is ameliorated in vivo by inhibition of actin polymerization dynamics in a mouse model of hypertension. <i>FASEB Journal</i> , 2018, 32, lb278.	0.2	0
27	Age-Related Changes in Skeletal Muscle and Small Mesenteric Arterial Function in Spontaneously Hypertensive Rats. <i>FASEB Journal</i> , 2019, 33, lb456.	0.2	0
28	Circulating Exosomal Proteins are linked to Neuropathogenesis in SIV-infected Rhesus Macaque: A Proteomic Approach. <i>FASEB Journal</i> , 2022, 36, .	0.2	0