

# Alejandra San Martin

## List of Publications by Citations

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**Version:** 2024-04-24

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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.

38  
papers

2,279  
citations

23  
h-index

43  
g-index

43  
ext. papers

2,558  
ext. citations

7.5  
avg, IF

4.76  
L-index

#	Paper	IF	Citations
38	Biochemistry, physiology, and pathophysiology of NADPH oxidases in the cardiovascular system. <i>Circulation Research</i> , <b>2012</b> , 110, 1364-90	15.7	574
37	Nox1 overexpression potentiates angiotensin II-induced hypertension and vascular smooth muscle hypertrophy in transgenic mice. <i>Circulation</i> , <b>2005</b> , 112, 2668-76	16.7	349
36	Mechanisms of vascular smooth muscle NADPH oxidase 1 (Nox1) contribution to injury-induced neointimal formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 480-7	9.4	191
35	A high-fat diet induces and red wine counteracts endothelial dysfunction in human volunteers. <i>Lipids</i> , <b>2000</b> , 35, 143-8	1.6	137
34	Reactive oxygen species-selective regulation of aortic inflammatory gene expression in Type 2 diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H2073-82	5.2	103
33	Nox1-based NADPH oxidase-derived superoxide is required for VSMC activation by advanced glycation end-products. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 42, 1671-9	7.8	86
32	NADPH oxidase 4 mediates TGF- $\beta$ -induced smooth muscle $\beta$ -actin via p38MAPK and serum response factor. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 50, 354-62	7.8	76
31	Complementary effects of Mediterranean diet and moderate red wine intake on haemostatic cardiovascular risk factors. <i>European Journal of Clinical Nutrition</i> , <b>2001</b> , 55, 444-51	5.2	71
30	Redox control of vascular smooth muscle migration. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 12, 625-40	8.4	64
29	PGC-1 alpha serine 570 phosphorylation and GCN5-mediated acetylation by angiotensin II drive catalase down-regulation and vascular hypertrophy. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 2474-87	5.4	62
28	Wine, diet, antioxidant defenses, and oxidative damage. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 957, 136-45	6.5	56
27	Dual regulation of cofilin activity by LIM kinase and Slingshot-1L phosphatase controls platelet-derived growth factor-induced migration of human aortic smooth muscle cells. <i>Circulation Research</i> , <b>2008</b> , 102, 432-8	15.7	51
26	Early endosomal antigen 1 (EEA1) is an obligate scaffold for angiotensin II-induced, PKC-alpha-dependent Akt activation in endosomes. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 2886-95	5.4	40
25	Insulin-like growth factor-1 receptor expression masks the antiinflammatory and glucose uptake capacity of insulin in vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 408-15	9.4	36
24	Poldip2 is an oxygen-sensitive protein that controls PDH and $\alpha$ -KGDH lipoylation and activation to support metabolic adaptation in hypoxia and cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1789-1794	11.5	31
23	Glucagon-like peptide-1 inhibits vascular smooth muscle cell dedifferentiation through mitochondrial dynamics regulation. <i>Biochemical Pharmacology</i> , <b>2016</b> , 104, 52-61	6	31
22	Transforming growth factor $\beta$ inhibits platelet derived growth factor-induced vascular smooth muscle cell proliferation via Akt-independent, Smad-mediated cyclin D1 downregulation. <i>PLoS ONE</i> , <b>2013</b> , 8, e79657	3.7	29

21	Platelet-derived growth factor (PDGF) regulates Slingshot phosphatase activity via Nox1-dependent auto-dephosphorylation of serine 834 in vascular smooth muscle cells. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 35430-35437	5.4	27
20	PPAR $\gamma$ Regulates Mitochondrial Structure and Function and Human Pulmonary Artery Smooth Muscle Cell Proliferation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2018</b> , 58, 648-657	5.7	27
19	Effect of Mediterranean and Occidental diets, and red wine, on plasma fatty acids in humans. An intervention study. <i>Biological Research</i> , <b>2004</b> , 37, 253-61	7.6	26
18	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1553	5.6	24
17	Autophagy mediates tumor necrosis factor- $\alpha$ -induced phenotype switching in vascular smooth muscle A7r5 cell line. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197210	3.7	24
16	The role of Nox-mediated oxidation in the regulation of cytoskeletal dynamics. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 6009-22	3.3	24
15	HERPUD1 protects against oxidative stress-induced apoptosis through downregulation of the inositol 1,4,5-trisphosphate receptor. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 90, 206-18	7.8	21
14	Role of coronin 1B in PDGF-induced migration of vascular smooth muscle cells. <i>Circulation Research</i> , <b>2012</b> , 111, 56-65	15.7	21
13	Nox4-dependent activation of cofilin mediates VSMC reorientation in response to cyclic stretching. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 85, 288-94	7.8	17
12	Redox-Sensitive Regulation of Myocardin-Related Transcription Factor (MRTF-A) Phosphorylation via Palladin in Vascular Smooth Muscle Cell Differentiation Marker Gene Expression. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153199	3.7	14
11	NADPH oxidases: progress and opportunities. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2692-4	8.4	13
10	Hic-5 Mediates TGF $\beta$ -Induced Adhesion in Vascular Smooth Muscle Cells by a Nox4-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1198-206	9.4	12
9	Metabolic adaptation in hypoxia and cancer. <i>Cancer Letters</i> , <b>2021</b> , 502, 133-142	9.9	12
8	Mitochondrial Protein Poldip2 (Polymerase Delta Interacting Protein 2) Controls Vascular Smooth Muscle Differentiated Phenotype by O-Linked GlcNAc (N-Acetylglucosamine) Transferase-Dependent Inhibition of a Ubiquitin Proteasome System. <i>Circulation Research</i> , <b>2020</b> , 126, 41-56	15.7	10
7	The cofilin phosphatase slingshot homolog 1 restrains angiotensin II-induced vascular hypertrophy and fibrosis in vivo. <i>Laboratory Investigation</i> , <b>2019</b> , 99, 399-410	5.9	5
6	Syndecan-4/PAR-3 signaling regulates focal adhesion dynamics in mesenchymal cells. <i>Cell Communication and Signaling</i> , <b>2020</b> , 18, 129	7.5	4
5	Characterization of Poldip2 knockout mice: Avoiding incorrect gene targeting.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247261	3.7	2
4	Molecular Pathways of Smooth Muscle Disease <b>2012</b> , 1279-1287		1

3	Regulation of total LC3 levels by angiotensin II in vascular smooth muscle cells.. <i>Journal of Cellular and Molecular Medicine</i> , <b>2022</b> ,	5.6	1
2	PDGF-induced Vascular Smooth Muscle Cell Migration is Regulated by Coronin 1b. <i>FASEB Journal</i> , <b>2010</b> , 24, 603.6	0.9	1
1	Quiescin/sulphydryl oxidase 1b (QSOX1b) induces migration and proliferation of vascular smooth muscle cells by distinct redox pathways. <i>Archives of Biochemistry and Biophysics</i> , <b>2020</b> , 679, 108220	4.1	0