

Alejandra San Martin

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,831
citations

236612

25
h-index

288905

40
g-index

43
all docs

43
docs citations

43
times ranked

4259
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemistry, Physiology, and Pathophysiology of NADPH Oxidases in the Cardiovascular System. <i>Circulation Research</i> , 2012, 110, 1364-1390.	2.0	669
2	Nox1 Overexpression Potentiates Angiotensin II-Induced Hypertension and Vascular Smooth Muscle Hypertrophy in Transgenic Mice. <i>Circulation</i> , 2005, 112, 2668-2676.	1.6	396
3	Mechanisms of Vascular Smooth Muscle NADPH Oxidase 1 (Nox1) Contribution to Injury-Induced Neointimal Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 480-487.	1.1	211
4	A high-fat diet induces and red wine counteracts endothelial dysfunction in human volunteers. <i>Lipids</i> , 2000, 35, 143-148.	0.7	150
5	Reactive oxygen species-selective regulation of aortic inflammatory gene expression in Type 2 diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2073-H2082.	1.5	117
6	Nox1-based NADPH oxidase-derived superoxide is required for VSMC activation by advanced glycation end-products. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1671-1679.	1.3	98
7	Metabolic adaptation in hypoxia and cancer. <i>Cancer Letters</i> , 2021, 502, 133-142.	3.2	86
8	Complementary effects of Mediterranean diet and moderate red wine intake on haemostatic cardiovascular risk factors. <i>European Journal of Clinical Nutrition</i> , 2001, 55, 444-451.	1.3	85
9	NADPH oxidase 4 mediates TGF- β -induced smooth muscle α -actin via p38MAPK and serum response factor. <i>Free Radical Biology and Medicine</i> , 2011, 50, 354-362.	1.3	83
10	Redox Control of Vascular Smooth Muscle Migration. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 625-640.	2.5	76
11	PGC-1 β Serine 570 Phosphorylation and GCN5-mediated Acetylation by Angiotensin II Drive Catalase Down-regulation and Vascular Hypertrophy. <i>Journal of Biological Chemistry</i> , 2010, 285, 2474-2487.	1.6	73
12	Wine, Diet, Antioxidant Defenses, and Oxidative Damage. <i>Annals of the New York Academy of Sciences</i> , 2002, 957, 136-145.	1.8	64
13	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> , 2008, 102, 432-438.	2.0	61
14	Poldip2 is an oxygen-sensitive protein that controls PDH and α -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> , 2018, 115, 1789-1794.	3.3	52
15	The role of Nox-mediated oxidation in the regulation of cytoskeletal dynamics. <i>Current Pharmaceutical Design</i> , 2015, 21, 6009-6022.	0.9	49
16	Early Endosomal Antigen 1 (EEA1) Is an Obligate Scaffold for Angiotensin II-induced, PKC- δ -dependent Akt Activation in Endosomes. <i>Journal of Biological Chemistry</i> , 2011, 286, 2886-2895.	1.6	48
17	PPAR β Regulates Mitochondrial Structure and Function and Human Pulmonary Artery Smooth Muscle Cell Proliferation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 648-657.	1.4	47
18	Glucagon-like peptide-1 inhibits vascular smooth muscle cell dedifferentiation through mitochondrial dynamics regulation. <i>Biochemical Pharmacology</i> , 2016, 104, 52-61.	2.0	44

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19	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> , 2009, 29, 408-415.	1.1	42
20	Effect of Mediterranean and Occidental Diets, and Red Wine, on Plasma Fatty Acids in Humans: An Intervention Study. <i>Biological Research</i> , 2004, 37, 253-61.	1.5	38
21	Autophagy mediates tumor necrosis factor- α -induced phenotype switching in vascular smooth muscle A7r5 cell line. <i>PLoS ONE</i> , 2018, 13, e0197210.	1.1	37
22	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. <i>Frontiers in Pharmacology</i> , 2018, 9, 1553.	1.6	34
23	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> , 2011, 286, 35430-35437.	1.6	32
24	Transforming Growth Factor β 2 Inhibits Platelet Derived Growth Factor-Induced Vascular Smooth Muscle Cell Proliferation via Akt-Independent, Smad-Mediated Cyclin D1 Downregulation. <i>PLoS ONE</i> , 2013, 8, e79657.	1.1	32
25	HERPUD1 protects against oxidative stress-induced apoptosis through downregulation of the inositol 1,4,5-trisphosphate receptor. <i>Free Radical Biology and Medicine</i> , 2016, 90, 206-218.	1.3	31
26	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> , 2020, 126, 41-56.	2.0	26
27	Nox4-dependent activation of cofilin mediates VSMC reorientation in response to cyclic stretching. <i>Free Radical Biology and Medicine</i> , 2015, 85, 288-294.	1.3	24
28	Role of Coronin 1B in PDGF-Induced Migration of Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2012, 111, 56-65.	2.0	23
29	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> , 2016, 11, e0153199.	1.1	21
30	Hic-5 Mediates TGF β -Induced Adhesion in Vascular Smooth Muscle Cells by a Nox4-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1198-1206.	1.1	17
31	NADPH Oxidases: Progress and Opportunities. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2692-2694.	2.5	16
32	Syndecan-4/PAR-3 signaling regulates focal adhesion dynamics in mesenchymal cells. <i>Cell Communication and Signaling</i> , 2020, 18, 129.	2.7	16
33	The cofilin phosphatase slingshot homolog 1 restrains angiotensin II-induced vascular hypertrophy and fibrosis in vivo. <i>Laboratory Investigation</i> , 2019, 99, 399-410.	1.7	10
34	Quiescin/sulfhydryl oxidase 1b (QSOX1b) induces migration and proliferation of vascular smooth muscle cells by distinct redox pathways. <i>Archives of Biochemistry and Biophysics</i> , 2020, 679, 108220.	1.4	5
35	Poldip2 takes a central role in metabolic reprogramming. <i>Oncoscience</i> , 2018, 5, 130-131.	0.9	4
36	Regulation of total LC3 levels by angiotensin II in vascular smooth muscle cells. <i>Journal of Cellular and Molecular Medicine</i> , 2022, , .	1.6	4

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37	Do Endothelial Cells Eat Tryptophan to Die?. <i>Circulation Research</i> , 2014, 114, 406-408.	2.0	3
38	Characterization of Poldip2 knockout mice: Avoiding incorrect gene targeting. <i>PLoS ONE</i> , 2021, 16, e0247261.	1.1	3
39	Molecular Pathways of Smooth Muscle Disease. , 2012, , 1279-1287.		1
40	Role of Subplasmalemmal Mitochondria in Angiotensin IIâ€‘Mediated Contraction. <i>Circulation Research</i> , 2015, 117, 984-986.	2.0	1
41	PDGFâ€‘induced Vascular Smooth Muscle Cell Migration is Regulated by Coronin 1b. <i>FASEB Journal</i> , 2010, 24, 603.6.	0.2	1