

Cristina Rodriguez

List of Publications by Year in descending order

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112
papers

4,597
citations

94269

37
h-index

118652

62
g-index

118
all docs

118
docs citations

118
times ranked

6470
citing authors

#	ARTICLE	IF	CITATIONS
1	WM-DOVA maps for accurate polyp highlighting in colonoscopy: Validation vs. saliency maps from physicians. <i>Computerized Medical Imaging and Graphics</i> , 2015, 43, 99-111.	3.5	756
2	Thrombin and protease-activated receptors (PARs) in atherothrombosis. <i>Thrombosis and Haemostasis</i> , 2008, 99, 305-315.	1.8	179
3	Regulation of lysyl oxidase in vascular cells: lysyl oxidase as a new player in cardiovascular diseases. <i>Cardiovascular Research</i> , 2008, 79, 7-13.	1.8	150
4	High levels of homocysteine inhibit lysyl oxidase (LOX) and downregulate LOX expression in vascular endothelial cells. <i>Atherosclerosis</i> , 2004, 177, 1-8.	0.4	128
5	Low-Density Lipoprotein Upregulates Low-Density Lipoprotein Receptor-Related Protein Expression in Vascular Smooth Muscle Cells. <i>Circulation</i> , 2002, 106, 3104-3110.	1.6	107
6	Lysyl Oxidase Induces Vascular Oxidative Stress and Contributes to Arterial Stiffness and Abnormal Elastin Structure in Hypertension: Role of p38MAPK. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 379-397.	2.5	91
7	Lysyl Oxidase as a Potential Therapeutic Target. <i>Drug News and Perspectives</i> , 2008, 21, 218.	1.9	82
8	3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibition Prevents Endothelial NO Synthase Downregulation by Atherogenic Levels of Native LDLs. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 804-809.	1.1	81
9	Lysyl oxidase (LOX) down-regulation by TNF α : A new mechanism underlying TNF α -induced endothelial dysfunction. <i>Atherosclerosis</i> , 2008, 196, 558-564.	0.4	81
10	Metalloproteinases and atherothrombosis: MMP-10 mediates vascular remodeling promoted by inflammatory stimuli. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2916.	3.0	78
11	Low Density Lipoproteins Downregulate Lysyl Oxidase in Vascular Endothelial Cells and the Arterial Wall. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1409-1414.	1.1	77
12	Infectious cause of death determination using minimally invasive autopsies in developing countries. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 84, 80-86.	0.8	76
13	C-reactive protein exerts angiogenic effects on vascular endothelial cells and modulates associated signalling pathways and gene expression. <i>BMC Cell Biology</i> , 2008, 9, 47.	3.0	67
14	The Hypoxia-Inducible Factor 1/NOR-1 Axis Regulates the Survival Response of Endothelial Cells to Hypoxia. <i>Molecular and Cellular Biology</i> , 2009, 29, 5828-5842.	1.1	64
15	Ageing is associated with deterioration of calcium homeostasis in isolated human right atrial myocytes. <i>Cardiovascular Research</i> , 2015, 106, 76-86.	1.8	60
16	Inhibition of enzymes involved in collagen cross-linking reduces vascular smooth muscle cell calcification. <i>FASEB Journal</i> , 2018, 32, 4459-4469.	0.2	60
17	Sphingosine-1-phosphate: A bioactive lipid that confers high-density lipoprotein with vasculoprotection mediated by nitric oxide and prostacyclin. <i>Thrombosis and Haemostasis</i> , 2009, 101, 665-673.	1.8	58
18	Endothelial Kr β 4-Like Factor 4 Modulates Pulmonary Arterial Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 647-653.	1.4	58

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19	Fibulin-5 Is Up-regulated by Hypoxia in Endothelial Cells through a Hypoxia-inducible Factor-1 (HIF-1 α)-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2011, 286, 7093-7103.	1.6	57
20	Cell Biology and Lipoproteins in Atherosclerosis. <i>Current Molecular Medicine</i> , 2006, 6, 439-456.	0.6	54
21	Left and Right Ventricle Late Remodeling Following Myocardial Infarction in Rats. <i>PLoS ONE</i> , 2013, 8, e64986.	1.1	54
22	Synergistic Effect of Thrombin and CD40 Ligand on Endothelial Matrix Metalloproteinase-10 Expression and Microparticle Generation In Vitro and In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1477-1487.	1.1	53
23	The lysyl oxidase inhibitor (β -aminopropionitrile) reduces leptin profibrotic effects and ameliorates cardiovascular remodeling in diet-induced obesity in rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 92, 96-104.	0.9	52
24	Oleanolic Acid Induces Prostacyclin Release in Human Vascular Smooth Muscle Cells through a Cyclooxygenase-2-Dependent Mechanism. <i>Journal of Nutrition</i> , 2008, 138, 443-448.	1.3	49
25	Prostacyclin induction by high-density lipoprotein (HDL) in vascular smooth muscle cells depends on sphingosine 1-phosphate receptors: Effect of simvastatin. <i>Thrombosis and Haemostasis</i> , 2008, 100, 119-126.	1.8	49
26	Endothelial Jag1-RBPJ signalling promotes inflammatory leucocyte recruitment and atherosclerosis. <i>Cardiovascular Research</i> , 2016, 112, 568-580.	1.8	49
27	The Role of Lysyl Oxidase Enzymes in Cardiac Function and Remodeling. <i>Cells</i> , 2019, 8, 1483.	1.8	49
28	CCL20 Is Increased in Hypercholesterolemic Subjects and Is Upregulated By LDL in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2733-2741.	1.1	47
29	Over-expression of Neuron-derived Orphan Receptor-1 (NOR-1) exacerbates neointimal hyperplasia after vascular injury. <i>Human Molecular Genetics</i> , 2013, 22, 1949-1959.	1.4	46
30	Walnut-enriched diet increases the association of LDL from hypercholesterolemic men with human HepG2 cells. <i>Journal of Lipid Research</i> , 2001, 42, 2069-2076.	2.0	46
31	Transcription Factor SOX18 Is Expressed in Human Coronary Atherosclerotic Lesions and Regulates DNA Synthesis and Vascular Cell Growth. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 2398-2403.	1.1	45
32	LDL Downregulates CYP51 in Porcine Vascular Endothelial Cells and in the Arterial Wall Through a Sterol Regulatory Element Binding Protein-2-Dependent Mechanism. <i>Circulation Research</i> , 2001, 88, 268-274.	2.0	42
33	Matrix Metalloproteinase-10 Is Upregulated by Thrombin in Endothelial Cells and Increased in Patients With Enhanced Thrombin Generation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 2109-2116.	1.1	42
34	HIF-1-mediated up-regulation of cardiotrophin-1 is involved in the survival response of cardiomyocytes to hypoxia. <i>Cardiovascular Research</i> , 2011, 92, 247-255.	1.8	42
35	Induction of histone deacetylases (HDACs) in human abdominal aortic aneurysm: therapeutic potential of HDAC inhibitors. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 541-52.	1.2	42
36	Lysyl oxidase overexpression accelerates cardiac remodeling and aggravates angiotensin II-induced hypertrophy. <i>FASEB Journal</i> , 2017, 31, 3787-3799.	0.2	41

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37	The lysyl oxidase inhibitor Î²-aminopropionitrile reduces body weight gain and improves the metabolic profile in diet-induced obesity in rats. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 543-551.	1.2	40
38	NR4A receptors up-regulate the antiproteinase alpha-2 macroglobulin (A2M) and modulate MMP-2 and MMP-9 in vascular smooth muscle cells. <i>Thrombosis and Haemostasis</i> , 2015, 113, 1323-1334.	1.8	39
39	NOR-1 modulates the inflammatory response of vascular smooth muscle cells by preventing NFÎ±B activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 80, 34-44.	0.9	39
40	Emerging Roles of Lysyl Oxidases in the Cardiovascular System: New Concepts and Therapeutic Challenges. <i>Biomolecules</i> , 2019, 9, 610.	1.8	39
41	Enhanced endoplasmic reticulum and mitochondrial stress in abdominal aortic aneurysm. <i>Clinical Science</i> , 2019, 133, 1421-1438.	1.8	39
42	Hypoxia upregulates PGI-synthase and increases PGI2 release in human vascular cells exposed to inflammatory stimuli. <i>Journal of Lipid Research</i> , 2011, 52, 720-731.	2.0	38
43	Oxidative Stress and Inflammatory Markers in Abdominal Aortic Aneurysm. <i>Antioxidants</i> , 2021, 10, 602.	2.2	37
44	Fibrate treatment does not modify the expression of acyl coenzyme A oxidase in human liver. <i>Clinical Pharmacology and Therapeutics</i> , 2002, 72, 692-701.	2.3	36
45	Down-regulation of Fibulin-5 is associated with aortic dilation: role of inflammation and epigenetics. <i>Cardiovascular Research</i> , 2016, 110, 431-442.	1.8	36
46	Oxidized Low-Density Lipoprotein Receptor in Lymphocytes Prevents Atherosclerosis and Predicts Subclinical Disease. <i>Circulation</i> , 2019, 139, 243-255.	1.6	36
47	Statins normalize vascular lysyl oxidase down-regulation induced by proatherogenic risk factors. <i>Cardiovascular Research</i> , 2009, 83, 595-603.	1.8	35
48	Microvascular COX-2/mPGES-1/EP-4 axis in human abdominal aortic aneurysm. <i>Journal of Lipid Research</i> , 2013, 54, 3506-3515.	2.0	35
49	A major role for <i>RCAN1</i> in atherosclerosis progression. <i>EMBO Molecular Medicine</i> , 2013, 5, 1901-1917.	3.3	35
50	miR-146a targets <i>c-Fos</i> expression in human cardiac cells. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1081-91.	1.2	35
51	MT4-MMP deficiency increases patrolling monocyte recruitment to early lesions and accelerates atherosclerosis. <i>Nature Communications</i> , 2018, 9, 910.	5.8	34
52	Bezafibrate induces acyl-CoA oxidase mRNA levels and fatty acid peroxisomal beta-oxidation in rat white adipose tissue. <i>Molecular and Cellular Biochemistry</i> , 2001, 216, 71-78.	1.4	33
53	Plasma profiling by a protein array approach identifies IGFBP-1 as a novel biomarker of abdominal aortic aneurysm. <i>Atherosclerosis</i> , 2012, 221, 544-550.	0.4	33
54	p38 MAPK contributes to angiotensin II-induced COX-2 expression in aortic fibroblasts from normotensive and hypertensive rats. <i>Journal of Hypertension</i> , 2009, 27, 142-154.	0.3	32

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55	Sphingosine-1-phosphate: A bioactive lipid that confers high-density lipoprotein with vasculoprotection mediated by nitric oxide and prostacyclin. <i>Thrombosis and Haemostasis</i> , 2009, 101, 665-73.	1.8	31
56	Bemiparin: second-generation, low-molecular-weight heparin for treatment and prophylaxis of venous thromboembolism. <i>Expert Review of Cardiovascular Therapy</i> , 2008, 6, 793-802.	0.6	30
57	The role of mitochondrial oxidative stress in the metabolic alterations in diet-induced obesity in rats. <i>FASEB Journal</i> , 2019, 33, 12060-12072.	0.2	28
58	Endothelial NOD1 directs myeloid cell recruitment in atherosclerosis through VCAM-1. <i>FASEB Journal</i> , 2019, 33, 3912-3921.	0.2	28
59	Lysyl oxidase and endothelial dysfunction: mechanisms of lysyl oxidase down-regulation by pro-inflammatory cytokines. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2721.	3.0	27
60	Lysyl oxidase (LOX) in vascular remodelling. <i>Thrombosis and Haemostasis</i> , 2014, 112, 812-824.	1.8	26
61	Differences in the Formation of PPAR α -RXR/PPRE Complexes between Responsive and Nonresponsive Species upon Fibrate Administration. <i>Molecular Pharmacology</i> , 2000, 58, 185-193.	1.0	25
62	Modulation of ERG25 expression by LDL in vascular cells. <i>Cardiovascular Research</i> , 2003, 58, 178-185.	1.8	25
63	Type II interleukin-1 receptor expression is reduced in monocytes/macrophages and atherosclerotic lesions. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 556-563.	1.2	25
64	HuR mediates the synergistic effects of angiotensin II and IL-1 β on vascular COX-2 expression and cell migration. <i>British Journal of Pharmacology</i> , 2015, 172, 3028-3042.	2.7	25
65	NOR-1/NR4A3 regulates the cellular inhibitor of apoptosis 2 (cIAP2) in vascular cells: role in the survival response to hypoxic stress. <i>Scientific Reports</i> , 2016, 6, 34056.	1.6	24
66	The role of Xpert MTB/RIF in diagnosing pulmonary tuberculosis in post-mortem tissues. <i>Scientific Reports</i> , 2016, 6, 20703.	1.6	23
67	Nestin+ cells direct inflammatory cell migration in atherosclerosis. <i>Nature Communications</i> , 2016, 7, 12706.	5.8	23
68	Modulation of Endothelium and Endothelial Progenitor Cell Function by Low-Density Lipoproteins: Implication for Vascular Repair, Angiogenesis and Vasculogenesis. <i>Pathobiology</i> , 2009, 76, 11-22.	1.9	22
69	Retinoic acid induces PGI synthase expression in human endothelial cells. <i>Journal of Lipid Research</i> , 2008, 49, 1707-1714.	2.0	21
70	The Interplay of Mitochondrial Oxidative Stress and Endoplasmic Reticulum Stress in Cardiovascular Fibrosis in Obese Rats. <i>Antioxidants</i> , 2021, 10, 1274.	2.2	21
71	Effect of eplerenone on hypertension-associated renal damage in rats: potential role of peroxisome proliferator activated receptor gamma (PPAR- γ). <i>Journal of Physiology and Pharmacology</i> , 2011, 62, 87-94.	1.1	21
72	Fisiopatología del aneurisma de aorta abdominal: biomarcadores y nuevas dianas terapéuticas. <i>Clínica e Investigación En Arteriosclerosis</i> , 2019, 31, 166-177.	0.4	20

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73	Hu antigen R is required for NOX-1 but not NOX-4 regulation by inflammatory stimuli in vascular smooth muscle cells. <i>Journal of Hypertension</i> , 2016, 34, 253-265.	0.3	19
74	Deficient p27 Phosphorylation at Serine 10 Increases Macrophage Foam Cell Formation and Aggravates Atherosclerosis Through a Proliferation-Independent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2455-2463.	1.1	18
75	The nuclear receptor NOR-1/NR4A3 regulates the multifunctional glycoprotein vitronectin in human vascular smooth muscle cells. <i>FASEB Journal</i> , 2017, 31, 4588-4599.	0.2	18
76	Vascular effects of thrombin: Involvement of NOR-1 in thrombin-induced mitogenic stimulus in vascular cells. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2909.	3.0	17
77	Targeting p35/Cdk5 Signalling via CIP-Peptide Promotes Angiogenesis in Hypoxia. <i>PLoS ONE</i> , 2013, 8, e75538.	1.1	17
78	The nuclear receptor NOR-1 regulates the small muscle protein, X-linked (SMPX) and myotube differentiation. <i>Scientific Reports</i> , 2016, 6, 25944.	1.6	16
79	Circulating CCL20 as a New Biomarker of Abdominal Aortic Aneurysm. <i>Scientific Reports</i> , 2017, 7, 17331.	1.6	16
80	NR4A3: A Key Nuclear Receptor in Vascular Biology, Cardiovascular Remodeling, and Beyond. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11371.	1.8	15
81	Deletion or Inhibition of NOD1 Favors Plaque Stability and Attenuates Atherothrombosis in Advanced Atherogenesis. <i>Cells</i> , 2020, 9, 2067.	1.8	14
82	High NOR-1 (Neuron-Derived Orphan Receptor 1) Expression Strengthens the Vascular Wall Response to Angiotensin II Leading to Aneurysm Formation in Mice. <i>Hypertension</i> , 2021, 77, 557-570.	1.3	14
83	Lysyl oxidase (LOX) limits VSMC proliferation and neointimal thickening through its extracellular enzymatic activity. <i>Scientific Reports</i> , 2018, 8, 13258.	1.6	13
84	The Inflammatory Profile of CTEPH-Derived Endothelial Cells Is a Possible Driver of Disease Progression. <i>Cells</i> , 2021, 10, 737.	1.8	13
85	Neuron-derived orphan receptor-1 modulates cardiac gene expression and exacerbates angiotensin II-induced cardiac hypertrophy. <i>Clinical Science</i> , 2020, 134, 359-377.	1.8	13
86	Different effects of fibrates on the microsomal fatty acid chain elongation and the acyl composition of phospholipids in guinea pigs. <i>British Journal of Pharmacology</i> , 1995, 116, 3337-3343.	2.7	12
87	Inactivation of Nuclear Factor- κ B Inhibits Vascular Smooth Muscle Cell Proliferation and Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1036-1045.	1.1	12
88	Opposite Effects of Moderate and Extreme Cx43 Deficiency in Conditional Cx43-Deficient Mice on Angiotensin II-Induced Cardiac Fibrosis. <i>Cells</i> , 2019, 8, 1299.	1.8	12
89	New challenges for a second-generation low-molecular-weight heparin: focus on bemiparin. <i>Expert Review of Cardiovascular Therapy</i> , 2010, 8, 625-634.	0.6	11
90	CALU polymorphism A29809G affects calumenin availability involving vascular calcification. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 82, 218-227.	0.9	11

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91	An evaluation of the SENTIFIT 270 analyser for quantitation of faecal haemoglobin in the investigation of patients with suspected colorectal cancer. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 625-633.	1.4	11
92	Rolipram Prevents the Formation of Abdominal Aortic Aneurysm (AAA) in Mice: PDE4B as a Target in AAA. <i>Antioxidants</i> , 2021, 10, 460.	2.2	11
93	Targeting Tyrosine Hydroxylase for Abdominal Aortic Aneurysm: Impact on Inflammation, Oxidative Stress, and Vascular Remodeling. <i>Hypertension</i> , 2021, 78, 681-692.	1.3	11
94	Hypoxia-induced ROS signaling is required for LOX up-regulation in endothelial cells. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 955-967.	0.9	10
95	Angiotensin II differentially modulates cyclooxygenase-2, microsomal prostaglandin E2 synthase-1 and prostaglandin I2 synthase expression in adventitial fibroblasts exposed to inflammatory stimuli. <i>Journal of Hypertension</i> , 2011, 29, 529-536.	0.3	10
96	The nuclear receptor NOR-1 modulates redox homeostasis in human vascular smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 122, 23-33.	0.9	10
97	Trans-10 cis-12-CLA dysregulate lipid and glucose metabolism and induce hepatic NR4A receptors. <i>Frontiers in Bioscience - Elite</i> , 2010, E2, 87-97.	0.9	9
98	Derivation and characterisation of endothelial cells from patients with chronic thromboembolic pulmonary hypertension. <i>Scientific Reports</i> , 2021, 11, 18797.	1.6	9
99	miR-17 and -20a Target the Neuron-Derived Orphan Receptor-1 (NOR-1) in Vascular Endothelial Cells. <i>PLoS ONE</i> , 2015, 10, e0141932.	1.1	7
100	Expression and Cellular Localization of 15-Hydroxy-Prostaglandin-Dehydrogenase in Abdominal Aortic Aneurysm. <i>PLoS ONE</i> , 2015, 10, e0136201.	1.1	6
101	La sobreexpresión vascular de la lisil oxidasa altera la estructura de la matriz extracelular e induce estrés oxidativo. <i>Clínica E Investigación En Arteriosclerosis</i> , 2017, 29, 157-165.	0.4	6
102	Mecanismos de envejecimiento vascular: ¿Qué podemos aprender del síndrome de progeria de Hutchinson-Gilford?. <i>Clínica E Investigación En Arteriosclerosis</i> , 2018, 30, 120-132.	0.4	4
103	Vascular lysyl oxidase over-expression alters extracellular matrix structure and induces oxidative stress. <i>Clínica E Investigación En Arteriosclerosis (English Edition)</i> , 2017, 29, 157-165.	0.1	3
104	Pathophysiology of abdominal aortic aneurysm: biomarkers and novel therapeutic targets. <i>Clínica E Investigación En Arteriosclerosis (English Edition)</i> , 2019, 31, 166-177.	0.1	3
105	Human Lysyl Oxidase Over-Expression Enhances Baseline Cardiac Oxidative Stress but Does Not Aggravate ROS Generation or Infarct Size Following Myocardial Ischemia-Reperfusion. <i>Antioxidants</i> , 2022, 11, 75.	2.2	3
106	El receptor nuclear NOR-1 (Neuron-derived Orphan Receptor-1) en el remodelado vascular patológico. <i>Clínica E Investigación En Arteriosclerosis</i> , 2022, 34, 229-243.	0.4	2
107	Activation of Wnt/ β -catenin signaling in abdominal aortic aneurysm: A potential therapeutic opportunity?. <i>Genes and Diseases</i> , 2023, 10, 639-642.	1.5	2
108	Antiangiogénesis y estatinas. <i>Clínica E Investigación En Arteriosclerosis</i> , 2005, 17, 15-22.	0.4	1

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109	Regulación de la expresión génica por la lisil oxidasa (LOX): modulación de la α 2-macroglobulina en células endoteliales. Clínica E Investigación En Arteriosclerosis, 2011, 23, 168-174.	0.4	0
110	Modulation of human VSMC migration by vitronectin: studies of transcriptional regulation. Atherosclerosis, 2017, 263, e63.	0.4	0
111	Implication of endoplasmic reticulum stress and mitochondrial dysfunction in abdominal aortic aneurysm disease. Atherosclerosis, 2017, 263, e70.	0.4	0
112	115 Plods and lox participate in vascular smooth muscle cell calcification. , 2018, , .		0