M Victoria Cachofeiro

List of Publications by Year
in descending order

119 papers	4,742 citations	94433 37 h-index	114465 63 g-index
125 all docs	125 docs citations	125 times ranked	6636 citing authors

#	Article	IF	Citations
1	Oxidative stress and inflammation, a link between chronic kidney disease and cardiovascular disease. Kidney International, 2008, 74, S4-S9.	5.2	491
2	Galectin-3 Mediates Aldosterone-Induced Vascular Fibrosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 67-75.	2.4	312
3	The Impact of Galectin-3 Inhibition onÂAldosterone-Induced Cardiac and RenalÂInjuries. JACC: Heart Failure, 2015, 3, 59-67.	4.1	164
4	Endothelial Dysfunction, Oxidative Stress and Inflammation in Atherosclerosis: Beneficial Effects of Statins. Current Medicinal Chemistry, 2007, 14, 243-248.	2.4	145
5	Galectin-3 Blockade Inhibits Cardiac Inflammation and Fibrosis in Experimental Hyperaldosteronism and Hypertension. Hypertension, 2015, 66, 767-775.	2.7	129
6	Aerobic exercise reduces oxidative stress and improves vascular changes of small mesenteric and coronary arteries in hypertension. British Journal of Pharmacology, 2013, 168, 686-703.	5.4	119
7	Participation of Prostacyclin in Endothelial Dysfunction Induced by Aldosterone in Normotensive and Hypertensive Rats. Hypertension, 2005, 46, 107-112.	2.7	115
8	Effect of AT1 receptor antagonism on vascular and circulating inflammatory mediators in SHR: role of NF-Î°B/IÎ°B system. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H111-H115.	3.2	114
9	Leptin induces cardiac fibrosis through galectin-3, mTOR and oxidative stress. Journal of Hypertension, 2014, 32, 1104-1114.	0.5	107
10	Insulin Resistance, Inflammatory Biomarkers, and Adipokines in Patients with Chronic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2006, 17, S206-S212.	6.1	97
11	Endothelial dysfunction in spontaneously hypertensive rats. Journal of Hypertension, 1997, 15, 613-618.	0.5	95
12	Effects of Atorvastatin on Inflammatory and Fibrinolytic Parameters in Patients with Chronic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2006, 17, S231-S235.	6.1	86
13	AT1Receptor Antagonism Reduces Endothelial Dysfunction and Intimal Thickening in Atherosclerotic Rabbits. Hypertension, 1999, 34, 969-975.	2.7	79
14	Effect of Dual Blockade of the Renin-Angiotensin System on the Progression of Type 2 Diabetic Nephropathy: A Randomized Trial. American Journal of Kidney Diseases, 2013, 61, 211-218.	1.9	70
15	Galectin-3 Participates in Cardiovascular Remodeling Associated With Obesity. Hypertension, 2015, 66, 961-969.	2.7	68
16	Eplerenone Reduces Oxidative Stress and Enhances eNOS in SHR: Vascular Functional and Structural Consequences. Antioxidants and Redox Signaling, 2005, 7, 1294-1301.	5.4	66
17	Aldosterone and the vascular system. Journal of Steroid Biochemistry and Molecular Biology, 2008, 109, 331-335.	2.5	66
18	Endothelial dysfunction of rat coronary arteries after exposure to low concentrations of mercury is dependent on reactive oxygen species. British Journal of Pharmacology, 2011, 162, 1819-1831.	5.4	64

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19	Nitric Oxide, the Kidney, and Hypertension. American Journal of Hypertension, 1997, 10, 129-140.	2.0	61
20	A role for cardiotrophin-1 in myocardial remodeling induced by aldosterone. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H2372-H2382.	3.2	56
21	Modificaciones anatomofuncionales del corazÃ³n en la obesidad mÃ³rbida. Cambios tras la cirugÃa bariÃ¡trica. Revista Espanola De Cardiologia, 2012, 65, 14-21.	1.2	56
22	Role for Galectinâ€3 in Calcific Aortic Valve Stenosis. Journal of the American Heart Association, 2016, 5, .	3.7	55
23	Left and Right Ventricle Late Remodeling Following Myocardial Infarction in Rats. PLoS ONE, 2013, 8, e64986.	2.5	54
24	Losartan Reduces Phenylephrine Constrictor Response in Aortic Rings From Spontaneously Hypertensive Rats. Hypertension, 1996, 28, 967-972.	2.7	54
25	Nitric Oxide and Prostaglandins in the Prolonged Effects of Losartan and Ramipril in Hypertension. Hypertension, 1995, 26, 236-243.	2.7	53
26	The lysyl oxidase inhibitor (Î²-aminopropionitrile) reduces leptin profibrotic effects and ameliorates cardiovascular remodeling in diet-induced obesity in rats. Journal of Molecular and Cellular Cardiology, 2016, 92, 96-104.	1.9	52
27	Participation of aldosterone in the vascular inflammatory response of spontaneously hypertensive rats: role of the NFÎºB/IÎºB system. Journal of Hypertension, 2005, 23, 1167-1172.	0.5	50
28	Mercury induces proliferation and reduces cell size in vascular smooth muscle cells through MAPK, oxidative stress and cyclooxygenase-2 pathways. Toxicology and Applied Pharmacology, 2013, 268, 188-200.	2.8	49
29	Effects of isoproterenol treatment for 7 days on inflammatory mediators in the rat aorta. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H211-H219.	3.2	47
30	Cardiac benefits of exercise training in aging spontaneously hypertensive rats. Journal of Hypertension, 2011, 29, 2349-2358.	0.5	47
31	The presence of abdominal obesity is associated with changes in vascular function independently of other cardiovascular risk factors. International Journal of Cardiology, 2010, 139, 32-41.	1.7	44
32	Galectin-3 Blockade Reduces Renal Fibrosis in Two Normotensive Experimental Models of Renal Damage. PLoS ONE, 2016, 11, e0166272.	2.5	43
33	Renal and Vascular Consequences of the Chronic Nitric Oxide Synthase Inhibition*Effects of Antihypertensive Drugs. American Journal of Hypertension, 1996, 9, 1077-1083.	2.0	40
34	The lysyl oxidase inhibitor Î²-aminopropionitrile reduces body weight gain and improves the metabolic profile in diet-induced obesity in rats. DMM Disease Models and Mechanisms, 2015, 8, 543-551.	2.4	40
35	Effect of AT1 receptor blockade on hepatic redox status in SHR: possible relevance for endothelial function?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R674-R681.	1.8	39
36	Emerging Roles of Lysyl Oxidases in the Cardiovascular System: New Concepts and Therapeutic Challenges. Biomolecules, 2019, 9, 610.	4.0	39

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37	Oxidative Stress in Uremia. Journal of the American Society of Nephrology: JASN, 2006, 17, S174-S177.	6.1	38
38	Urocortin induces positive inotropic effect in rat heart. Cardiovascular Research, 2009, 83, 717-725.	3.8	37
39	A Role for Soluble ST2 in Vascular Remodeling Associated with Obesity in Rats. PLoS ONE, 2013, 8, e79176.	2.5	37
40	Obesity-induced cardiac lipid accumulation in adult mice is modulated by G protein-coupled receptor kinase 2 levels. Cardiovascular Diabetology, 2016, 15, 155.	6.8	37
41	Galectin-3 down-regulates antioxidant peroxiredoxin-4 in human cardiac fibroblasts: a new pathway to induce cardiac damage. Clinical Science, 2018, 132, 1471-1485.	4.3	37
42	Galectin-3 pharmacological inhibition attenuates early renal damage in spontaneously hypertensive rats. Journal of Hypertension, 2018, 36, 368-376.	0.5	34
43	Interactions between aldosterone and connective tissue growth factor in vascular and renal damage in spontaneously hypertensive rats. Journal of Hypertension, 2007, 25, 629-638.	0.5	33
44	Mechanisms underlying the activation of L-type calcium channels by urocortin in rat ventricular myocytes. Cardiovascular Research, 2010, 87, 459-466.	3.8	33
45	Ezetimibe inhibits PMA-induced monocyte/macrophage differentiation by altering microRNA expression: A novel anti-atherosclerotic mechanism. Pharmacological Research, 2012, 66, 536-543.	7.1	32
46	The role of oxidative stress in the crosstalk between leptin and mineralocorticoid receptor in the cardiac fibrosis associated with obesity. Scientific Reports, 2017, 7, 16802.	3.3	32
47	Losartan reduces constrictor responses to endothelin-1 and the thromboxane A2 analogue in aortic rings from spontaneously hypertensive rats. Journal of Hypertension, 1997, 15, 1677-1684.	0.5	31
48	Relevance of endothelium-derived hyperpolarizing factor in the effects of hypertension on rat coronary relaxations. Journal of Hypertension, 2001, 19, 539-545.	0.5	30
49	Effects of antihypertensive therapy on factors mediating endothelium-dependent relaxation in rats treated chronically with L-NAME. Journal of Hypertension, 1999, 17, 221-227.	0.5	29
50	mPGES-1 (Microsomal Prostaglandin E Synthase-1) Mediates Vascular Dysfunction in Hypertension Through Oxidative Stress. Hypertension, 2018, 72, 492-502.	2.7	29
51	Valsartan improves fibrinolytic balance in atherosclerotic rabbits. Journal of Hypertension, 2002, 20, 303-310.	0.5	28
52	Aldosterone modulates neural vasomotor response in hypertension: role of calcitonin gene-related peptide. Regulatory Peptides, 2004, 120, 253-260.	1.9	28
53	Inflammation but Not Endothelial Dysfunction Is Associated with the Severity of Coronary Artery Disease in Dyslipidemic Subjects. Mediators of Inflammation, 2009, 2009, 1-8.	3.0	28
54	Brown Fat Lipoatrophy and Increased Visceral Adiposity through a Concerted Adipocytokines Overexpression Induces Vascular Insulin Resistance and Dysfunction. Endocrinology, 2012, 153, 1242-1255.	2.8	28

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55	Inhibition of galectin-3 ameliorates the consequences of cardiac lipotoxicity in a rat model of diet-induced obesity. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	28
56	The role of mitochondrial oxidative stress in the metabolic alterations in dietâ€induced obesity in rats. FASEB Journal, 2019, 33, 12060-12072.	0.5	28
57	Chronic treatment with losartan ameliorates vascular dysfunction induced by aging in spontaneously hypertensive rats. Journal of Hypertension, 1998, 16, 665-672.	0.5	27
58	Role of connective tissue growth factor in vascular and renal damage associated with hypertension in rats. Interactions with angiotensin II. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2006, 7, 192-200.	1.7	27
59	Rosuvastatin restored adrenergic and nitrergic function in mesenteric arteries from obese rats. British Journal of Pharmacology, 2011, 162, 271-285.	5.4	27
60	Synergistic effect of angiotensin-converting enzyme (ACE) and 3-hydroxy-3-methylglutaryl-CoA (HMG-CoA) reductase inhibition on inflammatory markers in atherosclerotic rabbits. Clinical Science, 2003, 105, 655-662.	4.3	26
61	Interleukin-33/ST2 system attenuates aldosterone-induced adipogenesis and inflammation. Molecular and Cellular Endocrinology, 2015, 411, 20-27.	3.2	26
62	Inflammation: A Link Between Hypertension and Atherosclerosis. Current Hypertension Reviews, 2009, 5, 40-48.	0.9	25
63	Effect of Recombinant Human Growth Hormone Administration on Body Composition and Vascular Function and Structure in Old Male Wistar Rats. Biogerontology, 2005, 6, 303-312.	3.9	24
64	Exposure to low mercury concentration in vivo impairs myocardial contractile function. Toxicology and Applied Pharmacology, 2011, 255, 193-199.	2.8	24
65	The Crosstalk between Cardiac Lipotoxicity and Mitochondrial Oxidative Stress in the Cardiac Alterations in Diet-Induced Obesity in Rats. Cells, 2020, 9, 451.	4.1	24
66	A Proteomic Approach to Determine Changes in Proteins Involved in the Myocardial Metabolism in Left Ventricles of Spontaneously Hypertensive Rats. Cellular Physiology and Biochemistry, 2010, 25, 347-358.	1.6	23
67	The Interaction between Mitochondrial Oxidative Stress and Gut Microbiota in the Cardiometabolic Consequences in Diet-Induced Obese Rats. Antioxidants, 2020, 9, 640.	5.1	23
68	The protective effect of irbesartan in rats fed a high fat diet is associated with modification of leptinâ€“adiponectin imbalance. Journal of Hypertension, 2009, 27, S37-S41.	0.5	22
69	Cardiotrophin-1 induces sarcoplasmic reticulum Ca2+ leak and arrhythmogenesis in adult rat ventricular myocytes. Cardiovascular Research, 2012, 96, 81-89.	3.8	22
70	The impact of bariatric surgery on renal and cardiac functions in morbidly obese patients. Nephrology Dialysis Transplantation, 2012, 27, iv53-iv57.	0.7	22
71	Aldosterone Impairs Mitochondrial Function in Human Cardiac Fibroblasts via A-Kinase Anchor Protein 12. Scientific Reports, 2018, 8, 6801.	3.3	22
72	DIOL Triterpenes Block Profibrotic Effects of Angiotensin II and Protect from Cardiac Hypertrophy. PLoS ONE, 2012, 7, e41545.	2.5	22

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73	The Interplay of Mitochondrial Oxidative Stress and Endoplasmic Reticulum Stress in Cardiovascular Fibrosis in Obese Rats. Antioxidants, 2021, 10, 1274.	5.1	21
74	Cardiac Lâ€type calcium current is increased in a model of hyperaldosteronism in the rat. Experimental Physiology, 2009, 94, 675-683.	2.0	20
75	Role of endothelin-1 and thromboxane A2 in renal vasoconstriction induced by angiotensin II in diabetes and hypertension. Kidney International, 2002, 62, S2-S7.	5.2	19
76	Structural, Functional, and Molecular Alterations Produced by Aldosterone Plus Salt in Rat Heart: Association With Enhanced Serum and Glucocorticoidâ€“regulated Kinase-1 Expression. Journal of Cardiovascular Pharmacology, 2011, 57, 114-121.	1.9	19
77	A role for galectin-3Âin the development of early molecular alterations in short-term aortic stenosis. Clinical Science, 2017, 131, 935-949.	4.3	19
78	The Impact of Cardiac Lipotoxicity on Cardiac Function and Mirnas Signature in Obese and Non-Obese Rats with Myocardial Infarction. Scientific Reports, 2019, 9, 444.	3.3	19
79	Factors involved in the effects of losartan on endothelialdysfunction induced by aging in SHR. Kidney International, 1998, 54, S30-S35.	5.2	18
80	Effects of fluvastatin extended-release (80 mg) alone and in combination with ezetimibe (10 mg) on low-density lipoprotein cholesterol and inflammatory parameters in patients with primary hypercholesterolemia: A 12-week, multicenter, randomized, open-label, parallel-group study. Clinical Therapeutics, 2008, 30, 84-97.	2.5	18
81	In vivo tissue specific modulation of rat insulin receptor gene expression in an experimental model of mineralocorticoid excess. Molecular and Cellular Biochemistry, 1998, 185, 177-182.	3.1	17
82	Effect of atorvastatin on endothelium-dependent constrictor factors in dyslipidemic rabbits. General Pharmacology, 2000, 34, 263-272.	0.7	17
83	A role for fumarate hydratase in mediating oxidative effects of galectin-3 in human cardiac fibroblasts. International Journal of Cardiology, 2018, 258, 217-223.	1.7	17
84	High levels of circulating TNFR1 increase the risk of allâ€cause mortality and progression of renal disease in type 2 diabetic nephropathy. Nephrology, 2017, 22, 354-360.	1.6	16
85	Secreted Phospholipase A2-IIA Modulates Transdifferentiation of Cardiac Fibroblast through EGFR Transactivation: An Inflammationâ€“Fibrosis Link. Cells, 2020, 9, 396.	4.1	15
86	The protective role of atorvastatin on function, structure and ultrastructure in the aorta of dyslipidemic rabbits. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2000, 437, 545-554.	2.8	14
87	Spironolactone prevents alterations associated with cardiac hypertrophy produced by isoproterenol in rats: involvement of serumâ€and glucocorticoidâ€regulated kinase type 1. Experimental Physiology, 2012, 97, 710-718.	2.0	14
88	AT-1 receptor antagonism modifies the mediation of endothelin-1, thromboxane A2, and catecholamines in the renal constrictor response to angiotensin II. Kidney International, 2005, 67, S3-S9.	5.2	13
89	Antagonistic effect of TNF-alpha and insulin on uncoupling protein 2 (UCP-2) expression and vascular damage. Cardiovascular Diabetology, 2014, 13, 108.	6.8	13
90	Oxidative Stress and Vascular Damage in the Context of Obesity: The Hidden Guest. Antioxidants, 2021, 10, 406.	5.1	13

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91	Fibrosis, the Bad Actor in Cardiorenal Syndromes: Mechanisms Involved. Cells, 2021, 10, 1824.	4.1	13
92	Molecular Heterogeneity of Circulating Prolactin in Chronic Uremic Men and Renal Transplant Recipients*. Journal of Clinical Endocrinology and Metabolism, 1986, 62, 352-356.	3.6	12
93	The Effects of Adiponectin and Leptin on Human Endothelial Cell Proliferation: A Live-Cell Study. Journal of Vascular Research, 2012, 49, 111-122.	1.4	12
94	Comparison between the effects of mixed dyslipidaemia and hypercholesterolaemia on endothelial function, atherosclerotic lesions and fibrinolysis in rabbits. Clinical Science, 2003, 104, 357.	4.3	11
95	Chronic l-arginine treatment reduces vascular smooth muscle cell hypertrophy through cell cycle modifications in spontaneously hypertensive rats. Journal of Hypertension, 2004, 22, 751-758.	0.5	11
96	The endocrine and cardiovascular systems: a close liaison. Hormone Molecular Biology and Clinical Investigation, 2014, 18, 1-2.	0.7	10
97	Identification of a Plasma Microrna Signature as Biomarker of Subaneurysmal Aortic Dilation in Patients with High Cardiovascular Risk. Journal of Clinical Medicine, 2020, 9, 2783.	2.4	10
98	Comparison between the effects of mixed dyslipidaemia and hypercholesterolaemia on endothelial function, atherosclerotic lesions and fibrinolysis in rabbits. Clinical Science, 2003, 104, 357-365.	4.3	9
99	Interplay of Hypertension, Inflammation, and Angiotensin II. American Journal of Hypertension, 2011, 24, 1059-1059.	2.0	8
100	A wound-like inflammatory aortic response in chronic portal hypertensive rats. Molecular Immunology, 2012, 51, 177-187.	2.2	8
101	Oxidative Stress in Obesity. Antioxidants, 2022, 11, 639.	5.1	8
102	Renal Dysfunction After Chronic Blockade of Nitric Oxide Synthesis. Antioxidants and Redox Signaling, 2002, 4, 885-891.	5.4	7
103	Fenofibrate and Pioglitazone Do Not Ameliorate the Altered Vascular Reactivity in Aorta of Isoproterenol-treated Rats. Journal of Cardiovascular Pharmacology, 2008, 52, 413-421.	1.9	6
104	Microsomal prostaglandin E synthaseâ€1 is involved in the metabolic and cardiovascular alterations associated with obesity. British Journal of Pharmacology, 2022, 179, 2733-2753.	5.4	6
105	Mitochondrial Oxidative Stress Promotes Cardiac Remodeling in Myocardial Infarction through the Activation of Endoplasmic Reticulum Stress. Antioxidants, 2022, 11, 1232.	5.1	5
106	The impact of obesity in the cardiac lipidome and its consequences in the cardiac damage observed in obese rats. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2018, 30, 10-20.	0.8	3
107	Role of endoplasmic reticulum stress in renal damage after myocardial infarction. Clinical Science, 2021, 135, 143-159.	4.3	3
108	Aldosterone and the cardiovascular system: a dangerous association. Hormone Molecular Biology and Clinical Investigation, 2010, 4, 539-48.	0.7	2

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109	Specific Amelioration of Cerebral Endothelial Dysfunction in Hypertensive Patients Treated With Atorvastatin. American Journal of Hypertension, 2008, 21, 604-604.	2.0	1
110	Angiotensin II Promotes Skeletal Muscle Angiogenesis Induced by Volume-Dependent Aerobic Exercise Training: Effects on miRNAs-27a/b and Oxidantâ€“Antioxidant Balance. Antioxidants, 2022, 11, 651.	5.1	1
111	Papel del factor de crecimiento de tejido conectivo en el daÃ±o vascular asociado a hipertensiÃ³n en ratas. InteracciÃ³n con la aldosterona. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2007, 19, 232-239.	0.8	0
112	ParticipaciÃ³n de los mineralocorticoides en la respuesta inflamatoria vascular asociada a la hipertensiÃ³n. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2008, 20, 233-238.	0.8	0
113	Response to â€˜Treatment with statins may be considered in ESRD patients for primary prevention of cardiovascular diseaseâ€™. Kidney International, 2009, 75, 1355.	5.2	0
114	Papel de las estatinas en la enfermedad renal crÃ³nica (ERC). ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2010, 22, 17-24.	0.8	0
115	Efecto del tratamiento con candesartan sobre los mecanismos y factores implicados en el desarrollo de la enfermedad cardiovascular asociada a sobrepeso y exceso de tejido adiposo visceral en la rata. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2011, 23, 55-61.	0.8	0
116	Papel de la quinasa regulada por suero y glucocorticoides 1 en las alteraciones cardiacas producidas por la aldosterona en ratas. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2012, 24, 267-274.	0.8	0
117	HipertensiÃ³n portal: desarrollo de una respuesta inflamatoria sistÃ©mica asociada a sÃndrome metabÃ³lico. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2012, 24, 157-166.	0.8	0
118	The impact of obesity in the cardiac lipidome and its consequences in the cardiac damage observed in obese rats. ClÃnica E InvestigaciÃ³n En Arteriosclerosis (English Edition), 2018, 30, 10-20.	0.2	0
119	Mineralocorticoid Receptor and Leptin: A Dangerous Liaison in the Obese Heart. , 0, , .		0