Dolores Prieto

List of Publications by Year in descending order

108 papers	2,546 citations	185998 28 h-index	264894 42 g-index
109 all docs	109 docs citations	109 times ranked	2318 citing authors

#	Article	IF	Citations
1	Endothelial Dysfunction, Obesity and Insulin Resistance. Current Vascular Pharmacology, 2014, 12, 412-426.	0.8	138
2	Penile Arteries and Erection. Journal of Vascular Research, 2002, 39, 283-303.	0.6	96
3	Differential contribution of Nox1, Nox2 and Nox4 to kidney vascular oxidative stress and endothelial dysfunction in obesity. Redox Biology, 2020, 28, 101330.	3.9	76
4	Effects of tyrosine kinase inhibitors on the contractility of rat mesenteric resistance arteries. British Journal of Pharmacology, 1995, 114, 1266-1272.	2.7	66
5	Role of the endothelium in acetylcholine-induced relaxation and spontaneous tone of bovine isolated retinal small arteries. Experimental Eye Research, 1991, 52, 575-579.	1.2	65
6	Prejunctional alpha sub 2-Adrenoceptors Inhibit Nitrergic Neurotransmission in Horse Penile Resistance Arteries. Journal of Urology, 1997, 157, 2356-2360.	0.2	63
7	AMPK, metabolism, and vascular function. FEBS Journal, 2021, 288, 3746-3771.	2.2	63
8	COX-2 is involved in vascular oxidative stress and endothelial dysfunction of renal interlobar arteries from obese Zucker rats. Free Radical Biology and Medicine, 2015, 84, 77-90.	1.3	60
9	Differential structural and functional changes in penile and coronary arteries from obese Zucker rats. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H696-H707.	1.5	56
10	Heterogeneous involvement of endothelium in calcitonin geneâ€related peptideâ€induced relaxation in coronary arteries from rat. British Journal of Pharmacology, 1991, 103, 1764-1768.	2.7	55
11	Involvement of nitric oxide in the nonâ€adrenergic nonâ€cholinergic neurotransmission of horse deep penile arteries: role of charybdotoxinâ€sensitive K⁺â€channels. British Journal of Pharmacology, 1995, 116, 2582-2590.	2.7	53
12	Contribution of K+ channels and ouabain-sensitive mechanisms to the endothelium-dependent relaxations of horse penile small arteries. British Journal of Pharmacology, 1998, 123, 1609-1620.	2.7	53
13	Contribution of both Ca2+ entry and Ca2+ sensitization to the Î±1-adrenergic vasoconstriction of rat penile small arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1157-H1169.	1.5	50
14	Nitric Oxide is Involved in the Inhibitory Neurotransmission and Endothelium-Dependent Relaxations of Human Small Penile Arteries. Clinical Science, 1997, 92, 269-275.	1.8	47
15	Role of Neural NO Synthase (nNOS) Uncoupling in the Dysfunctional Nitrergic Vasorelaxation of Penile Arteries from Insulin-Resistant Obese Zucker Rats. PLoS ONE, 2012, 7, e36027.	1.1	45
16	Mechanisms involved in testosterone-induced vasodilatation in pig prostatic small arteries. Life Sciences, 2008, 83, 569-573.	2.0	44
17	Neuropeptide Y regulates intracellular calcium through different signalling pathways linked to a Y1 -receptor in rat mesenteric small arteries. British Journal of Pharmacology, 2000, 129, 1689-1699.	2.7	43
18	Nitric oxide is involved in the non-adrenergic, non-cholinergic inhibitory neurotransmission of the pig intravesical ureter. Neuroscience Letters, 1995, 186, 33-36.	1.0	39

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19	Rho kinase is involved in Ca²⁺ entry of rat penile small arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1923-H1932.	1.5	36
20	Hydrogen peroxide derived from NADPH oxidase 4- and 2 contributes to the endothelium-dependent vasodilatation of intrarenal arteries. Redox Biology, 2018, 19, 92-104.	3.9	36
21	Activation of the AMP-related kinase (AMPK) induces renal vasodilatation and downregulates Nox-derived reactive oxygen species (ROS) generation. Redox Biology, 2020, 34, 101575.	3.9	36
22	Involvement of ATP in the non-adrenergic non-cholinergic inhibitory neurotransmission of lamb isolated coronary small arteries. British Journal of Pharmacology, 1997, 120, 411-420.	2.7	35
23	Hydrogen Sulfide Mediated Inhibitory Neurotransmission to the Pig Bladder Neck: Role of K _{ATP} Channels, Sensory Nerves and Calcium Signaling. Journal of Urology, 2013, 190, 746-756.	0.2	34
24	Upregulation of SK3 and IK1 Channels Contributes to the Enhanced Endothelial Calcium Signaling and the Preserved Coronary Relaxation in Obese Zucker Rats. PLoS ONE, 2014, 9, e109432.	1.1	32
25	Anatomical, immnunohistochemical and physiological characteristics of the vomeronasal vessels in cows and their possible role in vomeronasal reception. Journal of Anatomy, 2008, 212, 686-696.	0.9	31
26	NADPH-diaphorase and NANC relaxations are correlated in the sheep urinary tract. Neuroscience Letters, 1993, 163, 93-96.	1.0	29
27	Mechanisms of Prostaglandin E 1 -Induced Relaxation in Penile Resistance Arteries. Journal of Urology, 2004, 171, 968-973.	0.2	29
28	Enhanced cyclooxygenase 2-mediated vasorelaxation in coronary arteries from insulin-resistant obese Zucker rats. Atherosclerosis, 2010, 213, 392-399.	0.4	29
29	Signaling pathways involved in the H2O2-induced vasoconstriction of rat coronary arteries. Free Radical Biology and Medicine, 2013, 60, 136-146.	1.3	29
30	5â€hydroxytryptamine induced relaxation in the pig urinary bladder neck. British Journal of Pharmacology, 2009, 157, 271-280.	2.7	28
31	Hypoxic relaxation of penile arteries: involvement of endothelial nitric oxide and modulation by reactive oxygen species. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H915-H924.	1.5	28
32	Histochemical and functional evidence for a cholinergic innervation of the equine ureter. Journal of the Autonomic Nervous System, 1994, 47, 159-170.	1.9	27
33	Interactions between neuropeptide Y and the adenylate cyclase pathway in rat mesenteric small arteries: role of membrane potential. Journal of Physiology, 1997, 502, 281-292.	1.3	27
34	Role of ATP-sensitive K+ channels in relaxation of penile resistance arteries. Urology, 2004, 63, 800-805.	0.5	27
35	Ca2+-activated K+ (KCa) channels are involved in the relaxations elicited by sildenafil in penile resistance arteries. European Journal of Pharmacology, 2006, 531, 232-237.	1.7	26
36	Insulin resistance in penile arteries from a rat model of metabolic syndrome. British Journal of Pharmacology, 2010, 161, 350-364.	2.7	26

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37	Endogenous Hydrogen Sulfide has a Powerful Role in Inhibitory Neurotransmission to the Pig Bladder Neck. Journal of Urology, 2013, 189, 1567-1573.	0.2	26
38	Regional involvement of an endotheliumâ€derived contractile factor in the vasoactive actions of neuropeptide Y in bovine isolated retinal arteries. British Journal of Pharmacology, 1995, 116, 2729-2737.	2.7	24
39	Hydrogen peroxide activates storeâ€operated Ca²⁺ entry in coronary arteries. British Journal of Pharmacology, 2015, 172, 5318-5332.	2.7	24
40	Heterogeneity of muscarinic receptors in lamb isolated coronary resistance arteries. British Journal of Pharmacology, 1993, 109, 998-1007.	2.7	23
41	Role of Phosphatidylinositol 3-Kinase (PI3K), Mitogen-Activated Protein Kinase (MAPK), and Protein Kinase C (PKC) in Calcium Signaling Pathways Linked to the Î±1-Adrenoceptor in Resistance Arteries. Frontiers in Physiology, 2019, 10, 55.	1.3	23
42	Involvement of a glibenclamide-sensitive mechanism in the nitrergic neurotransmission of the pig intravesical ureter. British Journal of Pharmacology, 1997, 120, 609-616.	2.7	22
43	Nitrergic relaxation of the horse corpus cavernosum. Role of cGMP. European Journal of Pharmacology, 1998, 351, 85-94.	1.7	22
44	Mechanisms of the relaxant effect of vardenafil in rat penile arteries. European Journal of Pharmacology, 2008, 586, 283-287.	1.7	22
45	Preserved insulin vasorelaxation and up-regulation of the Akt/eNOS pathway in coronary arteries from insulin resistant obese Zucker rats. Atherosclerosis, 2011, 217, 331-339.	0.4	22
46	Hydrogen Sulfide Plays a Key Role in the Inhibitory Neurotransmission to the Pig Intravesical Ureter. PLoS ONE, 2014, 9, e113580.	1.1	22
47	Regional heterogeneity in the contractile and potentiating effects of neuropeptide Y in rat isolated coronary arteries: modulatory action of the endothelium. British Journal of Pharmacology, 1991, 102, 754-758.	2.7	21
48	Pre-junctional Î±2 -adrenoceptors modulation of the nitrergic transmission in the pig urinary bladder neck. Neurourology and Urodynamics, 2007, 26, 578-583.	0.8	21
49	CYP epoxygenase-derived H 2 O 2 is involved in the endothelium-derived hyperpolarization (EDH) and relaxation of intrarenal arteries. Free Radical Biology and Medicine, 2017, 106, 168-183.	1.3	21
50	Angiotensin II does not contract bovine retinal resistance arteries in vitro. Experimental Eye Research, 1990, 50, 469-474.	1.2	20
51	Distribution and functional effects of neuropeptide Y on equine ureteral smooth muscle and resistance arteries. Regulatory Peptides, 1997, 69, 155-165.	1.9	20
52	Heterogeneity of neuronal and smooth muscle receptors involved in the VIP- and PACAP-induced relaxations of the pig intravesical ureter. British Journal of Pharmacology, 2004, 141, 123-131.	2.7	20
53	PACAP 38 is involved in the non-adrenergic non-cholinergic inhibitory neurotransmission in the pig urinary bladder neck. Neurourology and Urodynamics, 2006, 25, 490-497.	0.8	20
54	Calcitonin gene-related peptide is a potent vasodilator of bovine retinal arteries in vitro. Experimental Eye Research, 1991, 53, 399-405.	1.2	19

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55	Impaired Endothelin Calcium Signaling Coupled to Endothelin Type B Receptors in Penile Arteries from Insulin-Resistant Obese Zucker Rats. Journal of Sexual Medicine, 2013, 10, 2141-2153.	0.3	19
56	Apamin-sensitive K+ channels involved in the inhibition of acetylcholine-induced contractions in lamb coronary small arteries. European Journal of Pharmacology, 1997, 329, 153-163.	1.7	18
57	Functional evidence of nitrergic neurotransmission in the human urinary bladder neck. Neuroscience Letters, 2010, 477, 91-94.	1.0	18
58	Circulating Microparticles from Patients with Obstructive Sleep Apnea Enhance Vascular Contraction. American Journal of Pathology, 2012, 181, 1473-1482.	1.9	18
59	Mechanisms involved in testosterone-induced relaxation to the pig urinary bladder neck. Steroids, 2012, 77, 394-402.	0.8	18
60	Noradrenergic vasoconstriction of pig prostatic small arteries. Naunyn-Schmiedeberg's Archives of Pharmacology, 2008, 376, 397-406.	1.4	17
61	Modulation of Noradrenergic Neurotransmission in Isolated Rat Radial Artery. Journal of Pharmacological Sciences, 2009, 111, 299-311.	1.1	17
62	Impaired Ca²⁺ handling in penile arteries from prediabetic Zucker rats: involvement of Rho kinase. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H2044-H2053.	1.5	17
63	Augmented oxidative stress and preserved vasoconstriction induced by hydrogen peroxide in coronary arteries in obesity: role of COXâ€2. British Journal of Pharmacology, 2016, 173, 3176-3195.	2.7	17
64	Role of Nitric Oxide in the Relaxation Elicited by Sildenafil in Penile Resistance Arteries. Journal of Urology, 2006, 175, 1164-1170.	0.2	16
65	Characterization of the 5-hydroxytryptamine receptors mediating contraction in the pig isolated intravesical ureter. British Journal of Pharmacology, 2003, 138, 137-144.	2.7	14
66	Vascular Dysfunction in a Transgenic Model of Alzheimer's Disease: Effects of CB1R and CB2R Cannabinoid Agonists. Frontiers in Neuroscience, 2016, 10, 422.	1.4	14
67	Genetic Targeting of GRP78 in the VMH Improves Obesity Independently of Food Intake. Genes, 2018, 9, 357.	1.0	14
68	Characterization of NPY receptors mediating contraction in rat intramyocardial coronary arteries. Regulatory Peptides, 1998, 75-76, 155-160.	1.9	13
69	Heterogeneity of the neuropeptide Y (NPY) contractile and relaxing receptors in horse penile small arteries. British Journal of Pharmacology, 2004, 143, 976-986.	2.7	13
70	Regulation of NO-dependent acetylcholine relaxation by K+ channels and the Na+â€“K+ ATPase pump in porcine internal mammary artery. European Journal of Pharmacology, 2010, 641, 61-66.	1.7	13
71	Endothelial and potassium channel dependent modulation of noradrenergic vasoconstriction in the pig radial artery. European Journal of Pharmacology, 2009, 616, 166-174.	1.7	12
72	Powerful Relaxation of Phosphodiesterase Type 4 Inhibitor Rolipram in the Pig and Human Bladder Neck. Journal of Sexual Medicine, 2014, 11, 930-941.	0.3	12

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73	(+)â€Šâ€12967 and (â€“)â€Šâ€12968: 1,4â€dihydropyridine stereoisomers with calcium channel agonistic and antagonistic properties in rat resistance arteries. British Journal of Pharmacology, 1991, 103, 1703-1708.	2.7	11
74	Mechanisms Implicated in the Histamine Response of the Sheep Ureterovesical Junction. Journal of Urology, 1991, 146, 184-187.	0.2	11
75	Underlying mechanisms preserving coronary basal tone and NO-mediated relaxation in obesity: Involvement of Î²1 subunit-mediated upregulation of BKCa channels. Atherosclerosis, 2017, 263, 227-236.	0.4	11
76	Metabolic syndrome inhibits store-operated Ca2+ entry and calcium-induced calcium-release mechanism in coronary artery smooth muscle. Biochemical Pharmacology, 2020, 182, 114222.	2.0	11
77	Mechanisms involved in the effects of endothelin-1 in pig prostatic small arteries. European Journal of Pharmacology, 2010, 640, 190-196.	1.7	10
78	Mechanisms involved in the nitric oxide independent inhibitory neurotransmission to the pig urinary bladder neck. Neurourology and Urodynamics, 2011, 30, 151-157.	0.8	10
79	Impaired Ca 2+ handling in resistance arteries from genetically obese Zucker rats: Role of the PI3K, ERK1/2 and PKC signaling pathways. Biochemical Pharmacology, 2018, 152, 114-128.	2.0	10
80	Endothelial Dysfunction: An Intermediate Clinical Feature between Urolithiasis and Cardiovascular Diseases. International Journal of Molecular Sciences, 2022, 23, 912.	1.8	10
81	Distribution and function of cholinergic receptors in the sheep detrusor muscle. Journal of the Autonomic Nervous System, 1991, 34, 95-102.	1.9	9
82	Mediation of contraction by cholinergic muscarinic receptors in the ureterovesical junction. Autonomic and Autacoid Pharmacology, 1992, 12, 175-181.	0.7	9
83	Cholinergic modulation of non-adrenergic, non-cholinergic relaxation in isolated, small coronary arteries from lambs. Pflugers Archiv European Journal of Physiology, 1999, 438, 177-186.	1.3	9
84	Endothelin A (ETA) Receptors Are Involved in Augmented Adrenergic Vasoconstriction and Blunted Nitric Oxide-Mediated Relaxation of Penile Arteries from Insulin-Resistant Obese Zucker Rats. Journal of Sexual Medicine, 2014, 11, 1463-1474.	0.3	9
85	Bladder Dysfunction in an Obese Zucker Rat: The Role of TRPA1 Channels, Oxidative Stress, and Hydrogen Sulfide. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	1.9	9
86	Endothelial mechanisms underlying responses to acetylcholine in the horse deep dorsal penile vein. European Journal of Pharmacology, 2005, 515, 150-159.	1.7	8
87	Phosphodiesterase type 4 inhibition enhances nitric oxide- and hydrogen sulfide-mediated bladder neck inhibitory neurotransmission. Scientific Reports, 2018, 8, 4711.	1.6	8
88	Role of Calcitonin Gene-Related Peptide in Inhibitory Neurotransmission to the Pig Bladder Neck. Journal of Urology, 2011, 186, 728-735.	0.2	7
89	Preâ€and postâ€junctional bradykinin B₂ receptors regulate smooth muscle tension to the pig intravesical ureter. Neurourology and Urodynamics, 2016, 35, 115-121.	0.8	6
90	Mechanisms involved in the nitric oxide-induced vasorelaxation in porcine prostatic small arteries. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 245-253.	1.4	5

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91	Activation of AMP kinase ameliorates kidney vascular dysfunction, oxidative stress and inflammation in rodent models of obesity. British Journal of Pharmacology, 2021, 178, 4085-4103.	2.7	5
92	Endothelial K Ca 1.1 and K Ca 3.1 channels mediate rat intrarenal artery endotheliumâ€derived hyperpolarization response. Acta Physiologica, 2021, 231, e13598.	1.8	5
93	Mechanisms involved in the adenosine-induced vasorelaxation to the pig prostatic small arteries. Purinergic Signalling, 2011, 7, 413-425.	1.1	4
94	Diminished Neurogenic Femoral Artery Vasoconstrictor Response in a Zucker Obese Rat Model: Differential Regulation of NOS and COX Derivatives. PLoS ONE, 2014, 9, e106372.	1.1	4
95	Neuronal and non-neuronal bradykinin receptors are involved in the contraction and/or relaxation to the pig bladder neck smooth muscle. Neurourology and Urodynamics, 2014, 33, 558-565.	0.8	4
96	Urolithiasis Develops Endothelial Dysfunction as a Clinical Feature. Antioxidants, 2021, 10, 722.	2.2	4
97	Enhanced histamine-mediated contraction of rabbit penile dorsal artery in diet-induced hypercholesterolemia. Vascular Pharmacology, 2006, 44, 34-41.	1.0	3
98	Nitric oxide-mediated negative regulation of cyclooxygenase-2 induction in vascular inflammation. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H600-H601.	1.5	3
99	Effects of Doxazosin on Functional Alterations of Isolated Coronary Arteries from Cholesterol-fed Rabbits. Journal of Pharmacy and Pharmacology, 2011, 48, 607-614.	1.2	3
100	Endothelin ET_B Receptors Are Involved in the Relaxation to the Pig Urinary Bladder neck. Neurourology and Urodynamics, 2012, 31, 688-694.	0.8	3
101	Mechanisms involved in endothelinâ€1â€induced contraction of the pig urinary bladder neck. Neurourology and Urodynamics, 2012, 31, 156-161.	0.8	3
102	In vitro inhibition of phosphodiesterase type 4 enhances rat corpus cavernosum nerve-mediated relaxation induced by gasotransmitters. Life Sciences, 2022, 296, 120432.	2.0	3
103	Effects of (+)-S-12967 and (â^')-S-12968, two enantiomers of a new slow-acting 1,4-dihydropyridine, on rat coronary resistance arteries. European Journal of Pharmacology, 1993, 238, 27-35.	1.7	2
104	Endothelial and neural factors functionally involved in the modulation of noradrenergic vasoconstriction in healthy pig internal mammary artery. Biochemical Pharmacology, 2012, 83, 882-892.	2.0	2
105	Differential contribution of renal cytochrome P450 enzymes to kidney endothelial dysfunction and vascular oxidative stress in obesity. Biochemical Pharmacology, 2022, 195, 114850.	2.0	2
106	Enhanced cyclooxygenase 2â€mediated vasodilatation in coronary arteries from insulin resistant obese Zucker rats. FASEB Journal, 2009, 23, LB69.	0.2	1
107	Editorial Comment on: Molecular Mechanisms Related to Parturition-Induced Stress Urinary Incontinence. European Urology, 2009, 55, 1222.	0.9	0
108	Editorial Comment on: Localization and Function of Cannabinoid Receptors in the Corpus Cavernosum: Basis for Modulation of Nitric Oxide Synthase Nerve Activity. European Urology, 2010, 57, 349.	0.9	0