

Dolores Prieto

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105
papers

2,037
citations

25
h-index

39
g-index

108
ext. papers

2,294
ext. citations

5
avg, IF

4.47
L-index

#	Paper	IF	Citations
105	Endothelial dysfunction, obesity and insulin resistance. <i>Current Vascular Pharmacology</i> , 2014 , 12, 412-263	3.3	106
104	Penile arteries and erection. <i>Journal of Vascular Research</i> , 2002 , 39, 283-303	1.9	85
103	Role of the endothelium in acetylcholine-induced relaxation and spontaneous tone of bovine isolated retinal small arteries. <i>Experimental Eye Research</i> , 1991 , 52, 575-9	3.7	60
102	Effects of tyrosine kinase inhibitors on the contractility of rat mesenteric resistance arteries. <i>British Journal of Pharmacology</i> , 1995 , 114, 1266-72	8.6	54
101	Prejunctional alpha sub 2-Adrenoceptors Inhibit Nitroergic Neurotransmission in Horse Penile Resistance Arteries. <i>Journal of Urology</i> , 1997 , 157, 2356-2360	2.5	53
100	Differential structural and functional changes in penile and coronary arteries from obese Zucker rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H696-707	5.2	51
99	Contribution of K ⁺ channels and ouabain-sensitive mechanisms to the endothelium-dependent relaxations of horse penile small arteries. <i>British Journal of Pharmacology</i> , 1998 , 123, 1609-20	8.6	48
98	Heterogeneous involvement of endothelium in calcitonin gene-related peptide-induced relaxation in coronary arteries from rat. <i>British Journal of Pharmacology</i> , 1991 , 103, 1764-8	8.6	48
97	Involvement of nitric oxide in the non-adrenergic non-cholinergic neurotransmission of horse deep penile arteries: role of charybdotoxin-sensitive K ⁽⁺⁾ -channels. <i>British Journal of Pharmacology</i> , 1995 , 116, 2582-90	8.6	46
96	COX-2 is involved in vascular oxidative stress and endothelial dysfunction of renal interlobar arteries from obese Zucker rats. <i>Free Radical Biology and Medicine</i> , 2015 , 84, 77-90	7.8	45
95	Nitric oxide is involved in the inhibitory neurotransmission and endothelium-dependent relaxations of human small penile arteries. <i>Clinical Science</i> , 1997 , 92, 269-75	6.5	43
94	Differential contribution of Nox1, Nox2 and Nox4 to kidney vascular oxidative stress and endothelial dysfunction in obesity. <i>Redox Biology</i> , 2020 , 28, 101330	11.3	42
93	Contribution of both Ca ²⁺ entry and Ca ²⁺ sensitization to the alpha1-adrenergic vasoconstriction of rat penile small arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1157-69	5.2	41
92	Mechanisms involved in testosterone-induced vasodilatation in pig prostatic small arteries. <i>Life Sciences</i> , 2008 , 83, 569-73	6.8	37
91	Nitric oxide is involved in the non-adrenergic, non-cholinergic inhibitory neurotransmission of the pig intravesical ureter. <i>Neuroscience Letters</i> , 1995 , 186, 33-6	3.3	36
90	Role of neural NO synthase (nNOS) uncoupling in the dysfunctional nitroergic vasorelaxation of penile arteries from insulin-resistant obese Zucker rats. <i>PLoS ONE</i> , 2012 , 7, e36027	3.7	36
89	Involvement of ATP in the non-adrenergic non-cholinergic inhibitory neurotransmission of lamb isolated coronary small arteries. <i>British Journal of Pharmacology</i> , 1997 , 120, 411-20	8.6	33

88	Neuropeptide Y regulates intracellular calcium through different signalling pathways linked to a Y(1)-receptor in rat mesenteric small arteries. <i>British Journal of Pharmacology</i> , 2000 , 129, 1689-99	8.6	32
87	Rho kinase is involved in Ca ²⁺ entry of rat penile small arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1923-32	5.2	30
86	NADPH-diaphorase and NANC relaxations are correlated in the sheep urinary tract. <i>Neuroscience Letters</i> , 1993 , 163, 93-6	3.3	29
85	Hydrogen sulfide mediated inhibitory neurotransmission to the pig bladder neck: role of KATP channels, sensory nerves and calcium signaling. <i>Journal of Urology</i> , 2013 , 190, 746-56	2.5	28
84	Enhanced cyclooxygenase 2-mediated vasorelaxation in coronary arteries from insulin-resistant obese Zucker rats. <i>Atherosclerosis</i> , 2010 , 213, 392-9	3.1	28
83	Upregulation of SK3 and IK1 channels contributes to the enhanced endothelial calcium signaling and the preserved coronary relaxation in obese Zucker rats. <i>PLoS ONE</i> , 2014 , 9, e109432	3.7	27
82	5-hydroxytryptamine induced relaxation in the pig urinary bladder neck. <i>British Journal of Pharmacology</i> , 2009 , 157, 271-80	8.6	27
81	Mechanisms of prostaglandin E1-induced relaxation in penile resistance arteries. <i>Journal of Urology</i> , 2004 , 171, 968-73	2.5	27
80	Hypoxic relaxation of penile arteries: involvement of endothelial nitric oxide and modulation by reactive oxygen species. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H915-24	5.2	24
79	Signaling pathways involved in the H ₂ O ₂ -induced vasoconstriction of rat coronary arteries. <i>Free Radical Biology and Medicine</i> , 2013 , 60, 136-46	7.8	23
78	Role of ATP-sensitive K ⁺ channels in relaxation of penile resistance arteries. <i>Urology</i> , 2004 , 63, 800-5	1.6	23
77	Interactions between neuropeptide Y and the adenylate cyclase pathway in rat mesenteric small arteries: role of membrane potential. <i>Journal of Physiology</i> , 1997 , 502 (Pt 2), 281-92	3.9	22
76	Anatomical, immunohistochemical and physiological characteristics of the vomeronasal vessels in cows and their possible role in vomeronasal reception. <i>Journal of Anatomy</i> , 2008 , 212, 686-96	2.9	22
75	Ca ²⁺ -activated K ⁺ (KCa) channels are involved in the relaxations elicited by sildenafil in penile resistance arteries. <i>European Journal of Pharmacology</i> , 2006 , 531, 232-7	5.3	22
74	Hydrogen peroxide derived from NADPH oxidase 4- and 2 contributes to the endothelium-dependent vasodilatation of intrarenal arteries. <i>Redox Biology</i> , 2018 , 19, 92-104	11.3	21
73	Endogenous hydrogen sulfide has a powerful role in inhibitory neurotransmission to the pig bladder neck. <i>Journal of Urology</i> , 2013 , 189, 1567-73	2.5	21
72	Insulin resistance in penile arteries from a rat model of metabolic syndrome. <i>British Journal of Pharmacology</i> , 2010 , 161, 350-64	8.6	21
71	Regional involvement of an endothelium-derived contractile factor in the vasoactive actions of neuropeptide Y in bovine isolated retinal arteries. <i>British Journal of Pharmacology</i> , 1995 , 116, 2729-37	8.6	21

70	Heterogeneity of muscarinic receptors in lamb isolated coronary resistance arteries. <i>British Journal of Pharmacology</i> , 1993 , 109, 998-1007	8.6	21
69	Histochemical and functional evidence for a cholinergic innervation of the equine ureter. <i>Journal of the Autonomic Nervous System</i> , 1994 , 47, 159-70		21
68	Preserved insulin vasorelaxation and up-regulation of the Akt/eNOS pathway in coronary arteries from insulin resistant obese Zucker rats. <i>Atherosclerosis</i> , 2011 , 217, 331-9	3.1	20
67	CYP epoxygenase-derived HO is involved in the endothelium-derived hyperpolarization (EDH) and relaxation of intrarenal arteries. <i>Free Radical Biology and Medicine</i> , 2017 , 106, 168-183	7.8	19
66	Activation of the AMP-related kinase (AMPK) induces renal vasodilatation and downregulates Nox-derived reactive oxygen species (ROS) generation. <i>Redox Biology</i> , 2020 , 34, 101575	11.3	19
65	Involvement of a glibenclamide-sensitive mechanism in the nitrgergic neurotransmission of the pig intravesical ureter. <i>British Journal of Pharmacology</i> , 1997 , 120, 609-16	8.6	19
64	Nitrgergic relaxation of the horse corpus cavernosum. Role of cGMP. <i>European Journal of Pharmacology</i> , 1998 , 351, 85-94	5.3	19
63	Angiotensin II does not contract bovine retinal resistance arteries in vitro. <i>Experimental Eye Research</i> , 1990 , 50, 469-74	3.7	19
62	Regional heterogeneity in the contractile and potentiating effects of neuropeptide Y in rat isolated coronary arteries: modulatory action of the endothelium. <i>British Journal of Pharmacology</i> , 1991 , 102, 754-8	8.6	19
61	Calcitonin gene-related peptide is a potent vasodilator of bovine retinal arteries in vitro. <i>Experimental Eye Research</i> , 1991 , 53, 399-405	3.7	19
60	Hydrogen sulfide plays a key role in the inhibitory neurotransmission to the pig intravesical ureter. <i>PLoS ONE</i> , 2014 , 9, e113580	3.7	19
59	AMPK, metabolism, and vascular function. <i>FEBS Journal</i> , 2021 , 288, 3746-3771	5.7	19
58	Hydrogen peroxide activates store-operated Ca(2+) entry in coronary arteries. <i>British Journal of Pharmacology</i> , 2015 , 172, 5318-32	8.6	18
57	Mechanisms of the relaxant effect of vardenafil in rat penile arteries. <i>European Journal of Pharmacology</i> , 2008 , 586, 283-7	5.3	18
56	Pre-junctional alpha2-adrenoceptors modulation of the nitrgergic transmission in the pig urinary bladder neck. <i>Neurourology and Urodynamics</i> , 2007 , 26, 578-583	2.3	18
55	PACAP 38 is involved in the non-adrenergic non-cholinergic inhibitory neurotransmission in the pig urinary bladder neck. <i>Neurourology and Urodynamics</i> , 2006 , 25, 490-7	2.3	18
54	Distribution and functional effects of neuropeptide Y on equine ureteral smooth muscle and resistance arteries. <i>Regulatory Peptides</i> , 1997 , 69, 155-65		17
53	Heterogeneity of neuronal and smooth muscle receptors involved in the VIP- and PACAP-induced relaxations of the pig intravesical ureter. <i>British Journal of Pharmacology</i> , 2004 , 141, 123-31	8.6	17

52	Noradrenergic vasoconstriction of pig prostatic small arteries. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008 , 376, 397-406	3.4	16
51	Impaired endothelin calcium signaling coupled to endothelin type B receptors in penile arteries from insulin-resistant obese Zucker rats. <i>Journal of Sexual Medicine</i> , 2013 , 10, 2141-53	1.1	15
50	Augmented oxidative stress and preserved vasoconstriction induced by hydrogen peroxide in coronary arteries in obesity: role of COX-2. <i>British Journal of Pharmacology</i> , 2016 , 173, 3176-3195	8.6	14
49	Mechanisms involved in testosterone-induced relaxation to the pig urinary bladder neck. <i>Steroids</i> , 2012 , 77, 394-402	2.8	14
48	Modulation of noradrenergic neurotransmission in isolated rat radial artery. <i>Journal of Pharmacological Sciences</i> , 2009 , 111, 299-311	3.7	14
47	Circulating microparticles from patients with obstructive sleep apnea enhance vascular contraction: mandatory role of the endothelium. <i>American Journal of Pathology</i> , 2012 , 181, 1473-82	5.8	13
46	Functional evidence of nitrenergic neurotransmission in the human urinary bladder neck. <i>Neuroscience Letters</i> , 2010 , 477, 91-4	3.3	13
45	Apamin-sensitive K ⁺ channels involved in the inhibition of acetylcholine-induced contractions in lamb coronary small arteries. <i>European Journal of Pharmacology</i> , 1997 , 329, 153-163	5.3	13
44	Impaired Ca ²⁺ handling in penile arteries from prediabetic Zucker rats: involvement of Rho kinase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H2044-53	5.2	12
43	Regulation of NO-dependent acetylcholine relaxation by K ⁺ channels and the Na ⁺ -K ⁺ ATPase pump in porcine internal mammary artery. <i>European Journal of Pharmacology</i> , 2010 , 641, 61-6	5.3	12
42	Characterization of the 5-hydroxytryptamine receptors mediating contraction in the pig isolated intravesical ureter. <i>British Journal of Pharmacology</i> , 2003 , 138, 137-44	8.6	12
41	Role of Phosphatidylinositol 3-Kinase (PI3K), Mitogen-Activated Protein Kinase (MAPK), and Protein Kinase C (PKC) in Calcium Signaling Pathways Linked to the β Adrenoceptor in Resistance Arteries. <i>Frontiers in Physiology</i> , 2019 , 10, 55	4.6	11
40	Genetic Targeting of GRP78 in the VMH Improves Obesity Independently of Food Intake. <i>Genes</i> , 2018 , 9,	4.2	11
39	Role of nitric oxide in the relaxation elicited by sildenafil in penile resistance arteries. <i>Journal of Urology</i> , 2006 , 175, 1164-70	2.5	11
38	Heterogeneity of the neuropeptide Y (NPY) contractile and relaxing receptors in horse penile small arteries. <i>British Journal of Pharmacology</i> , 2004 , 143, 976-86	8.6	11
37	Powerful relaxation of phosphodiesterase type 4 inhibitor rolipram in the pig and human bladder neck. <i>Journal of Sexual Medicine</i> , 2014 , 11, 930-941	1.1	10
36	Mechanisms involved in the nitric oxide independent inhibitory neurotransmission to the pig urinary bladder neck. <i>Neurourology and Urodynamics</i> , 2011 , 30, 151-7	2.3	10
35	Endothelial and potassium channel dependent modulation of noradrenergic vasoconstriction in the pig radial artery. <i>European Journal of Pharmacology</i> , 2009 , 616, 166-74	5.3	10

34	Characterization of NPY receptors mediating contraction in rat intramyocardial coronary arteries. <i>Regulatory Peptides</i> , 1998 , 75-76, 155-60		10
33	Vascular Dysfunction in a Transgenic Model of Alzheimer's Disease: Effects of CB1R and CB2R Cannabinoid Agonists. <i>Frontiers in Neuroscience</i> , 2016 , 10, 422	5.1	10
32	Mechanisms involved in the effects of endothelin-1 in pig prostatic small arteries. <i>European Journal of Pharmacology</i> , 2010 , 640, 190-6	5.3	9
31	Distribution and function of cholinergic receptors in the sheep detrusor muscle. <i>Journal of the Autonomic Nervous System</i> , 1991 , 34, 95-102		9
30	Mechanisms implicated in the histamine response of the sheep ureterovesical junction. <i>Journal of Urology</i> , 1991 , 146, 184-7	2.5	9
29	Underlying mechanisms preserving coronary basal tone and NO-mediated relaxation in obesity: Involvement of β subunit-mediated upregulation of BK channels. <i>Atherosclerosis</i> , 2017 , 263, 227-236	3.1	8
28	Endothelin A (ET(A)) receptors are involved in augmented adrenergic vasoconstriction and blunted nitric oxide-mediated relaxation of penile arteries from insulin-resistant obese Zucker rats. <i>Journal of Sexual Medicine</i> , 2014 , 11, 1463-74	1.1	8
27	Cholinergic modulation of non-adrenergic, non-cholinergic relaxation in isolated, small coronary arteries from lambs. <i>Pflugers Archiv European Journal of Physiology</i> , 1999 , 438, 177-86	4.6	8
26	(+)-S-12967 and (-)-S-12968: 1,4-dihydropyridine stereoisomers with calcium channel agonistic and antagonistic properties in rat resistance arteries. <i>British Journal of Pharmacology</i> , 1991 , 103, 1703-8	8.6	8
25	Impaired Ca handling in resistance arteries from genetically obese Zucker rats: Role of the PI3K, ERK1/2 and PKC signaling pathways. <i>Biochemical Pharmacology</i> , 2018 , 152, 114-128	6	7
24	Endothelial mechanisms underlying responses to acetylcholine in the horse deep dorsal penile vein. <i>European Journal of Pharmacology</i> , 2005 , 515, 150-9	5.3	7
23	Mediation of contraction by cholinergic muscarinic receptors in the ureterovesical junction. <i>Autonomic and Autacoid Pharmacology</i> , 1992 , 12, 175-81		7
22	Phosphodiesterase type 4 inhibition enhances nitric oxide- and hydrogen sulfide-mediated bladder neck inhibitory neurotransmission. <i>Scientific Reports</i> , 2018 , 8, 4711	4.9	6
21	Pre- and post-junctional bradykinin B2 receptors regulate smooth muscle tension to the pig intravesical ureter. <i>Neurourology and Urodynamics</i> , 2016 , 35, 115-21	2.3	6
20	Role of calcitonin gene-related peptide in inhibitory neurotransmission to the pig bladder neck. <i>Journal of Urology</i> , 2011 , 186, 728-35	2.5	5
19	Mechanisms involved in the nitric oxide-induced vasorelaxation in porcine prostatic small arteries. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011 , 384, 245-53	3.4	5
18	Neuronal and non-neuronal bradykinin receptors are involved in the contraction and/or relaxation to the pig bladder neck smooth muscle. <i>Neurourology and Urodynamics</i> , 2014 , 33, 558-65	2.3	4
17	Diminished neurogenic femoral artery vasoconstrictor response in a Zucker obese rat model: differential regulation of NOS and COX derivatives. <i>PLoS ONE</i> , 2014 , 9, e106372	3.7	4

16	Mechanisms involved in the adenosine-induced vasorelaxation to the pig prostatic small arteries. <i>Purinergic Signalling</i> , 2011 , 7, 413-25	3.8	4
15	Metabolic syndrome inhibits store-operated Ca entry and calcium-induced calcium-release mechanism in coronary artery smooth muscle. <i>Biochemical Pharmacology</i> , 2020 , 182, 114222	6	4
14	Bladder Dysfunction in an Obese Zucker Rat: The Role of TRPA1 Channels, Oxidative Stress, and Hydrogen Sulfide. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 5641645	6.7	3
13	Mechanisms involved in endothelin-1-induced contraction of the pig urinary bladder neck. <i>Neurourology and Urodynamics</i> , 2012 , 31, 156-61	2.3	3
12	Endothelin ET(B) receptors are involved in the relaxation to the pig urinary bladder neck. <i>Neurourology and Urodynamics</i> , 2012 , 31, 688-94	2.3	3
11	Nitric oxide-mediated negative regulation of cyclooxygenase-2 induction in vascular inflammation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H600-1	5.2	3
10	Enhanced histamine-mediated contraction of rabbit penile dorsal artery in diet-induced hypercholesterolemia. <i>Vascular Pharmacology</i> , 2006 , 44, 34-41	5.9	2
9	Effects of (+)-S-12967 and (-)-S-12968, two enantiomers of a new slow-acting 1,4-dihydropyridine, on rat coronary resistance arteries. <i>European Journal of Pharmacology</i> , 1993 , 238, 27-35	5.3	2
8	Endothelial K 1.1 and K 3.1 channels mediate rat intrarenal artery endothelium-derived hyperpolarization response. <i>Acta Physiologica</i> , 2021 , 231, e13598	5.6	2
7	Activation of AMP kinase ameliorates kidney vascular dysfunction, oxidative stress and inflammation in rodent models of obesity. <i>British Journal of Pharmacology</i> , 2021 , 178, 4085-4103	8.6	2
6	Endothelial and neural factors functionally involved in the modulation of noradrenergic vasoconstriction in healthy pig internal mammary artery. <i>Biochemical Pharmacology</i> , 2012 , 83, 882-92	6	1
5	Effects of doxazosin on functional alterations of isolated coronary arteries from cholesterol-fed rabbits. <i>Journal of Pharmacy and Pharmacology</i> , 1996 , 48, 607-14	4.8	1
4	Differential contribution of renal cytochrome P450 enzymes to kidney endothelial dysfunction and vascular oxidative stress in obesity. <i>Biochemical Pharmacology</i> , 2021 , 195, 114850	6	1
3	Enhanced cyclooxygenase 2-mediated vasodilatation in coronary arteries from insulin resistant obese Zucker rats. <i>FASEB Journal</i> , 2009 , 23, LB69	0.9	1
2	Editorial comment on: Molecular mechanisms related to parturition-induced stress urinary incontinence. <i>European Urology</i> , 2009 , 55, 1222	10.2	
1	In vitro inhibition of phosphodiesterase type 4 enhances rat corpus cavernosum nerve-mediated relaxation induced by gasotransmitters.. <i>Life Sciences</i> , 2022 , 296, 120432	6.8	