

Alicia Rodriguez-Barbero

List of Publications by Year in descending order

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72
papers

2,042
citations

236612

25
h-index

253896

43
g-index

73
all docs

73
docs citations

73
times ranked

2100
citing authors

#	ARTICLE	IF	CITATIONS
1	Endoglin regulates nitric oxide-dependent vasodilatation. <i>FASEB Journal</i> , 2004, 18, 609-611.	0.2	163
2	Three-Dimensional Microcomputed Tomography of Renal Vasculature in Rats. <i>Hypertension</i> , 1998, 31, 440-444.	1.3	126
3	Reduced angiogenic responses in adult endoglin heterozygous mice. <i>Cardiovascular Research</i> , 2006, 69, 845-854.	1.8	105
4	L- and S-endoglin differentially modulate TGF β 1 signaling mediated by ALK1 and ALK5 in L6E9 myoblasts. <i>Journal of Cell Science</i> , 2008, 121, 913-919.	1.2	105
5	Matrix metalloproteinase 13 mediates nitric oxide activation of endothelial cell migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3685-3690.	3.3	80
6	S-Endoglin Expression Is Induced in Senescent Endothelial Cells and Contributes to Vascular Pathology. <i>Circulation Research</i> , 2008, 103, 1383-1392.	2.0	80
7	TGF- β 1 induces COX-2 expression and PGE2 synthesis through MAPK and PI3K pathways in human mesangial cells. <i>Kidney International</i> , 2006, 70, 901-909.	2.6	75
8	F-actin fiber distribution in glomerular cells: Structural and functional implications. <i>Kidney International</i> , 2000, 58, 2452-2461.	2.6	74
9	Mechanical strain- and high glucose-induced alterations in mesangial cell collagen metabolism. <i>Journal of the American Society of Nephrology: JASN</i> , 1998, 9, 827-836.	3.0	69
10	Expression of endoglin in human mesangial cells: modulation of extracellular matrix synthesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1587, 36-44.	1.8	66
11	Endoglin Modulation of TGF- β 1-Induced Collagen Synthesis is Dependent on ERK1/2 MAPK Activation. <i>Cellular Physiology and Biochemistry</i> , 2006, 18, 135-142.	1.1	65
12	Involvement of reactive oxygen species on gentamicin-induced mesangial cell activation. <i>Kidney International</i> , 2002, 62, 1682-1692.	2.6	61
13	Transforming growth factor- β 1 induces collagen synthesis and accumulation via p38 mitogen-activated protein kinase (MAPK) pathway in cultured L6E9myoblasts. <i>FEBS Letters</i> , 2002, 513, 282-288.	1.3	59
14	Potential use of isolated glomeruli and cultured mesangial cells as in vitro models to assess nephrotoxicity. <i>Cell Biology and Toxicology</i> , 2000, 16, 145-153.	2.4	49
15	Gene expression fingerprinting for human hereditary hemorrhagic telangiectasia. <i>Human Molecular Genetics</i> , 2007, 16, 1515-1533.	1.4	48
16	Endoglin Regulates Cyclooxygenase-2 Expression and Activity. <i>Circulation Research</i> , 2006, 99, 248-256.	2.0	47
17	Endoglin Expression in Human and Rat Mesangial Cells and Its Upregulation by TGF- β 1. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 142-147.	1.0	46
18	Endoglin Expression Regulates Basal and TGF- β 1-induced Extracellular Matrix Synthesis in Cultured L ₆ E ₉ Myoblasts. <i>Cellular Physiology and Biochemistry</i> , 2004, 14, 301-310.	1.1	46

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19	Relative roles of endothelin-1 and angiotensin II in experimental post-ischaemic acute renal failure. <i>Nephrology Dialysis Transplantation</i> , 2004, 19, 83-94.	0.4	43
20	Identification of serum endoglin as a novel prognostic marker after acute myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 955-961.	1.6	40
21	Continuous endoglin (CD105) overexpression disrupts angiogenesis and facilitates tumor cell metastasis. <i>Angiogenesis</i> , 2020, 23, 231-247.	3.7	29
22	A role for platelet-activating factor in endothelin-1-induced rat mesangial cell proliferation. <i>European Journal of Pharmacology</i> , 1993, 243, 235-240.	1.7	28
23	Effects of oral antihyperglycemic agents on extracellular matrix synthesis by mesangial cells. <i>Kidney International</i> , 1998, 54, 1985-1998.	2.6	27
24	Teaching integrative physiology using the quantitative circulatory physiology model and case discussion method: evaluation of the learning experience. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2008, 32, 304-311.	0.8	27
25	Gentamicin activates rat mesangial cells. A role for platelet activating factor. <i>Kidney International</i> , 1995, 47, 1346-1353.	2.6	26
26	The mitogen-activated protein kinase Erk5 mediates human mesangial cell activation. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 3403-3411.	0.4	23
27	Peripheral 5-HT _{1D} and 5-HT ₇ serotonergic receptors modulate sympathetic neurotransmission in chronic sarpogrelate treated rats. <i>European Journal of Pharmacology</i> , 2013, 714, 65-73.	1.7	23
28	Resveratrol inhibits gentamicin-induced mesangial cell contraction. <i>Life Sciences</i> , 2006, 78, 2373-2377.	2.0	21
29	Reduced plasma levels of Ang-2 and sEng as novel biomarkers in hereditary hemorrhagic telangiectasia (HHT). <i>Clinica Chimica Acta</i> , 2010, 411, 494-499.	0.5	21
30	Effect of N ^G -Nitro-L-Arginine Methyl Ester on Nephrotoxicity Induced by Gentamicin in Rats. <i>Nephron</i> , 1995, 71, 203-207.	0.9	20
31	Role of Calcium in Gentamicin-Induced Mesangial Cell Activation. <i>Cellular Physiology and Biochemistry</i> , 2000, 10, 65-72.	1.1	20
32	Vascular endothelial cell activation by adult <i>Dirofilaria immitis</i> antigens. <i>Parasitology International</i> , 2008, 57, 441-446.	0.6	20
33	Endoglin Haploinsufficiency Promotes Fibroblast Accumulation during Wound Healing through Akt Activation. <i>PLoS ONE</i> , 2013, 8, e54687.	1.1	20
34	Pregnancy-Induced High Plasma Levels of Soluble Endoglin in Mice Lead to Preeclampsia Symptoms and Placental Abnormalities. <i>International Journal of Molecular Sciences</i> , 2021, 22, 165.	1.8	19
35	Effect of platelet activating factor antagonist treatment on gentamicin nephrotoxicity. <i>Mediators of Inflammation</i> , 1992, 1, 23-26.	1.4	18
36	<i>Dirofilaria immitis</i> and Wolbachia-derived antigens: Its effect on endothelial mammal cells. <i>Veterinary Parasitology</i> , 2008, 158, 223-231.	0.7	16

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37	Characterization of contractile 5-hydroxytryptamine receptor subtypes in the in situ autoperfused kidney in the anaesthetized rat. <i>European Journal of Pharmacology</i> , 2008, 592, 133-137.	1.7	16
38	Adult <i>Dirofilaria immitis</i> excretory/secretory antigens upregulate the production of prostaglandin E2 and downregulate monocyte transmigration in an "in vitro" model of vascular endothelial cell cultures. <i>Veterinary Parasitology</i> , 2010, 170, 331-335.	0.7	15
39	Circulating soluble endoglin modifies the inflammatory response in mice. <i>PLoS ONE</i> , 2017, 12, e0188204.	1.1	15
40	Characterization of the contractile 5-hydroxytryptamine receptor in the autoperfused kidney of L-NAME hypertensive rats. <i>European Journal of Pharmacology</i> , 2009, 620, 90-96.	1.7	13
41	Effect of Ouabain and Hypothalamic, Hypophysary Inhibitory Factor on Rat Mesangial Cell Proliferation. <i>Journal of Cardiovascular Pharmacology</i> , 1993, 22, S35-S37.	0.8	11
42	Effect of Atrial Natriuretic Peptide and Calcium Antagonists on Platelet-Activating Factor-Induced Contraction and Intracellular Calcium Mobilization in Rat Mesangial Cells. <i>Journal of Cardiovascular Pharmacology</i> , 1994, 24, 388-393.	0.8	11
43	Role of Vascular Nitric Oxide in Experimental Liver Cirrhosis. <i>Current Vascular Pharmacology</i> , 2005, 3, 81-85.	0.8	11
44	Participation of cyclooxygenase pathway in the vasoconstriction induced by 5-HT in the in situ autoperfused kidney of long-term diabetic rats. <i>European Journal of Pharmacology</i> , 2011, 659, 37-44.	1.7	11
45	High Levels of Serum Thromboxane B2 Are Generated during Human Pulmonary <i>Dirofilariosis</i> . <i>Vaccine Journal</i> , 2006, 13, 1175-1176.	3.2	10
46	Changes in the levels of eicosanoids in cats naturally and experimentally infected with <i>Dirofilaria immitis</i> . <i>Veterinary Parasitology</i> , 2007, 147, 271-275.	0.7	10
47	Effect of Verapamil on Endothelin-1-Induced Proliferation in Cultured Rat Mesangial Cells. <i>Cellular Physiology and Biochemistry</i> , 1995, 5, 155-166.	1.1	9
48	Characterization of the rat mesangial cell type 2 sulfonyleurea receptor. <i>Kidney International</i> , 1999, 55, 2289-2298.	2.6	9
49	Gentamicin induces Jun-AP1 expression and JNK activation in renal glomeruli and cultured mesangial cells. <i>Life Sciences</i> , 2005, 77, 2285-2298.	2.0	9
50	Involvement of phospholipase A2 in gentamicin-induced rat mesangial cell activation. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, F60-F66.	1.3	8
51	Induction of DNA synthesis by ligation of the CD53 tetraspanin antigen in primary cultures of mesangial cells. <i>Kidney International</i> , 2003, 63, 534-542.	2.6	8
52	Angiogenic response in an in vitro model of dog microvascular endothelial cells stimulated with antigenic extracts from <i>Dirofilaria immitis</i> adult worms. <i>Parasites and Vectors</i> , 2019, 12, 315.	1.0	8
53	Effect of Hypothalamic-Hypophysary Inhibitory Factor on Mesangial Cell Activation. <i>Hypertension</i> , 1995, 26, 905-911.	1.3	8
54	5-HT modulates the rat mesenteric vasopressor outflow by 5-HT _{1D} sympathetic receptors. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 1224-1231.	0.9	7

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55	Effect of gentamicin treatment on glutamine and lactate metabolism by the renal cortex of the rat. Archives Internationales De Physiologie, De Biochimie Et De Biophysique, 1993, 101, 193-196.	0.1	5
56	5-HT ₂ receptor blockade exhibits 5-HT vasodilator effects via nitric oxide, prostacyclin and ATP-sensitive potassium channels in rat renal vasculature. Vascular Pharmacology, 2016, 79, 51-59.	1.0	5
57	Gentamicin nephrotoxicity in rats is not modified by verapamil. Archives Internationales De Physiologie, De Biochimie Et De Biophysique, 1993, 101, 395-397.	0.1	4
58	Perindopril Stimulates Cultured Mesangial Cell Activation via Bradykinin Accumulation. Cellular Physiology and Biochemistry, 1997, 7, 69-80.	1.1	4
59	Hypertension exhibits 5-HT ₄ receptor as a modulator of sympathetic neurotransmission in the rat mesenteric vasculature. Hypertension Research, 2019, 42, 618-627.	1.5	4
60	Dopamine D ₄ receptor subtype activation reduces the rat cardiac parasympathetic discharge. Pflugers Archiv European Journal of Physiology, 2020, 472, 1693-1703.	1.3	4
61	Angiogenesis in cardiopulmonary dirofilariasis: does the <i>Wolbachia</i> surface protein have a pro- or anti-angiogenic effect?. Journal of Helminthology, 2020, 94, e162.	0.4	4
62	Oral fluoxetine treatment changes serotonergic sympho-regulation in experimental type 1 diabetes. Life Sciences, 2022, 293, 120335.	2.0	4
63	Endoglin and Activin Receptor-like Kinase 1 (Alk1) Modify Adrenomedullin Expression in an Organ-Specific Manner in Mice. Biology, 2022, 11, 358.	1.3	4
64	Alteration in Endoglin-Related Angiogenesis in Refractory Cytopenia with Multilineage Dysplasia. PLoS ONE, 2013, 8, e53624.	1.1	3
65	Functional Alterations Involved in Increased Bleeding in Hereditary Hemorrhagic Telangiectasia Mouse Models. Frontiers in Medicine, 2022, 9, .	1.2	3
66	Effect of Felodipine on Systemic Hemodynamics of Spontaneous Mild-Hypertensive Aged Rats. Archives of Physiology and Biochemistry, 1995, 103, 87-90.	1.0	1
67	The Role of Platelet-Activating Factor and the Effect of PAF Blocking Receptors on the Outcome of ARF. Renal Failure, 1996, 18, 489-499.	0.8	1
68	Human recombinant erythropoietic agents do not induce changes in circulating levels of endoglin and vascular endothelial growth factor in anemic cancer patients. Cancer Letters, 2007, 255, 71-76.	3.2	1
69	Influence of elevated sleep-time blood pressure on vascular risk and hypertension-mediated organ damage. Chronobiology International, 2021, 38, 367-377.	0.9	1
70	Gene expression fingerprinting for human hereditary hemorrhagic telangiectasia. Human Molecular Genetics, 2007, 16, 2649-2649.	1.4	0
71	P-235 RCMD patients have an abnormal angiogenesis related to endoglin. Leukemia Research, 2013, 37, S129.	0.4	0
72	OS 05-07 ROLE OF SOLUBLE ENDOGLIN IN THE PHYSIOPATHOLOGY OF PREECLAMPSIA. Journal of Hypertension, 2016, 34, e59-e60.	0.3	0