Diego RodrÃ-guez Puyol

List of Publications by Year
in descending order

102 papers	3,566 citations	147801 31 h-index	149698 56 g-index
106 all docs	106 docs citations	106 times ranked	5063 citing authors

#	Article	IF	Citations
1	Use of reninâ€“angiotensinâ€“aldosterone system inhibitors and risk of COVID-19 requiring admission to hospital: a case-population study. Lancet, The, 2020, 395, 1705-1714.	13.7	347
2	Hydrogen peroxide increases extracellular matrix mRNA through TGF-Î² in human mesangial cells. Kidney International, 2001, 59, 87-95.	5.2	196
3	Oral active vitamin D is associated with improved survival in hemodialysis patients. Kidney International, 2008, 74, 1070-1078.	5.2	183
4	Atherosclerosis in Chronic Kidney Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1938-1966.	2.4	164
5	Renal tubule Cpt1a overexpression protects from kidney fibrosis by restoring mitochondrial homeostasis. Journal of Clinical Investigation, 2021, 131, .	8.2	147
6	Improvement of mineral and bone metabolism markers is associated with better survival in haemodialysis patients: the COSMOS study. Nephrology Dialysis Transplantation, 2015, 30, 1542-1551.	0.7	140
7	Calcium, phosphorus, PTH and death rates in a large sample of dialysis patients from Latin America. The CORES Study. Nephrology Dialysis Transplantation, 2011, 26, 1938-1947.	0.7	133
8	Nitric Oxide Regulates Transforming Growth Factor-Î² Signaling in Endothelial Cells. Circulation Research, 2005, 97, 1115-1123.	4.5	114
9	Effect of volume expansion on hemodynamics, capillary permeability and renal function in conscious, cirrhotic rats. Hepatology, 1986, 6, 129-134.	7.3	95
10	Mice Deficient in Telomerase Activity Develop Hypertension Because of an Excess of Endothelin Production. Circulation, 2006, 114, 309-317.	1.6	93
11	Oxidative stress induces tyrosine phosphorylation of PDGF Î±-and Î²-receptors and pp60câ^'src in mesangial cells. Kidney International, 1996, 50, 164-173.	5.2	81
12	Smad2 Mediates Transforming Growth Factor-Î² Induction of Endothelial Nitric Oxide Synthase Expression. Circulation Research, 2002, 91, 806-813.	4.5	78
13	The Role of Hydrogen Peroxide in the Contractile Response to Angiotensin II. Molecular Pharmacology, 2001, 59, 104-112.	2.3	75
14	Age-related progressive renal fibrosis in rats and its prevention with ACE inhibitors and taurine. American Journal of Physiology - Renal Physiology, 2000, 278, F122-F129.	2.7	74
15	Actions of cyclosporin A on cultured rat mesangial cells. Kidney International, 1989, 35, 632-637.	5.2	67
16	Adenosine induces mesangial cell contraction by an A1-type receptor. Kidney International, 1989, 35, 1300-1305.	5.2	59
17	Deletion of H-Ras decreases renal fibrosis and myofibroblast activation following ureteral obstruction in mice. Kidney International, 2010, 77, 509-518.	5.2	56
18	HSP70 increases extracellular matrix production by human vascular smooth muscle through TGF-Î²1 up-regulation. International Journal of Biochemistry and Cell Biology, 2013, 45, 232-242.	2.8	54

#	Article	IF	Citations
19	The active form of vitamin D, calcitriol, induces a complex dual upregulation of endothelin and nitric oxide in cultured endothelial cells. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E1085-E1096.	3.5	51
20	Cyclosporine a nephrotoxicity: Role of thromboxane and reactive oxygen species. Translational Research, 1998, 131, 63-70.	2.3	50
21	The Leukocyte-Endothelial Cell Interactions are Modulated by Extracellular Matrix Proteins. Cellular Physiology and Biochemistry, 2006, 17, 221-232.	1.6	46
22	Genetic deficiency or pharmacological inhibition of miR-33 protects from kidney fibrosis. JCI Insight, 2019, 4, .	5.0	46
23	CsA and FK506 up-regulate eNOS expression: Role of reactive oxygen species and AP-1. Kidney International, 1998, 54, S20-S24.	5.2	44
24	Regulation of inducible nitric oxide synthase expression in rat mesangial cells and isolated glomeruli. Kidney International, 1995, 47, 500-509.	5.2	40
25	Integrin-linked kinase plays a key role in the regulation of angiotensin II-induced renal inflammation. Clinical Science, 2014, 127, 19-31.	4.3	39
26	Endothelin-converting enzyme-1 increases in atherosclerotic mice: potential role of oxidized low density lipoproteins. Journal of Lipid Research, 2009, 50, 364-375.	4.2	37
27	Losartan-Antioxidant Hybrids: Novel Molecules for the Prevention of Hypertension-Induced Cardiovascular Damage. Journal of Medicinal Chemistry, 2009, 52, 7220-7227.	6.4	37
28	Coronary calcification as a predictor of cardiovascular mortality in advanced chronic kidney disease: a prospective long-term follow-up study. BMC Nephrology, 2019, 20, 188.	1.8	37
29	Argâ€Glyâ€Aspâ€Ser peptide stimulates transforming growth factorâ€Î²1 transcription and secretion through integrin activation. FASEB Journal, 2003, 17, 1-17.	0.5	36
30	Hyperphosphatemia induces senescence in human endothelial cells by increasing endothelinâ€1 production. Aging Cell, 2017, 16, 1300-1312.	6.7	36
31	Markers of endothelial damage in patients with chronic kidney disease on hemodialysis. American Journal of Physiology - Renal Physiology, 2017, 312, F673-F681.	2.7	33
32	Telomerase deficiency promotes oxidative stress by reducing catalase activity. Free Radical Biology and Medicine, 2008, 45, 1243-1251.	2.9	32
33	Oxidant/Antioxidant Balance in Isolated Glomeruli and Cultured Mesangial Cells. Free Radical Biology and Medicine, 1997, 22, 49-56.	2.9	29
34	Hyperphosphatemia Promotes Senescence of Myoblasts by Impairing Autophagy Through Ilk Overexpression, A Possible Mechanism Involved in Sarcopenia. , 2018, 9, 769.		28
35	Effect of uraemia on endothelial cell damage is mediated by the integrin linked kinase pathway. Journal of Physiology, 2015, 593, 601-618.	2.9	27
36	Somatostatin antagonizes angiotensin II effects on mesangial cell contraction and glomerular filtration. Kidney International, 1993, 43, 324-333.	5.2	26

#	Article	IF	Citations
37	Parathyroid Hormone-Related Protein: Roles in the Glomerulus. Nephron Experimental Nephrology, 1999, 7, 212-216.	2.2	25
38	Integrin-linked kinase (ILK) modulates wound healing through regulation of hepatocyte growth factor (HGF). Experimental Cell Research, 2012, 318, 2470-2481.	2.6	24
39	Chronic kidney disease induced by an adenine rich diet upregulates integrin linked kinase (ILK) and its depletion prevents the disease progression. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1284-1297.	3.8	24
40	Peripheral insulin resistance in ILK-depleted mice by reduction of GLUT4 expression. Journal of Endocrinology, 2017, 234, 115-128.	2.6	23
41	Serum phosphate optimal timing and range associated with patients survival in haemodialysis: the COSMOS study. Nephrology Dialysis Transplantation, 2019, 34, 673-681.	0.7	23
42	Intracellular redox equilibrium is essential for the constitutive expression of AP-1 dependent genes in resting cells: Studies on TGF-Î²1 regulation. International Journal of Biochemistry and Cell Biology, 2012, 44, 963-971.	2.8	22
43	Tweak up-regulates endothelin-1 system in mouse and human endothelial cells. Cardiovascular Research, 2017, 113, 207-221.	3.8	22
44	Hyperosmolarity induced by high glucose promotes senescence in human glomerular mesangial cells. International Journal of Biochemistry and Cell Biology, 2014, 54, 98-110.	2.8	20
45	Integrinâ€linked kinase regulates tubular aquaporinâ€2 content and intracellular location: a link between the extracellular matrix and water reabsorption. FASEB Journal, 2014, 28, 3645-3659.	0.5	20
46	Impaired erythropoietin synthesis in chronic kidney disease is caused by alterations in extracellular matrix composition. Journal of Cellular and Molecular Medicine, 2018, 22, 302-314.	3.6	20
47	Crosstalk Between Mesangial and Endothelial Cells: Angiotensin II Down-Regulates Endothelin-Converting Enzyme 1. Cellular Physiology and Biochemistry, 2005, 15, 135-144.	1.6	19
48	Balance between apoptosis or survival induced by changes in extracellular-matrix composition in human mesangial cells: a key role for ILK-NFÎºB pathway. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 1261-1274.	4.9	18
49	Phenotypic Modifications of Human Mesangial Cells by Extracellular Matrix: The Importance of Matrix in the Contractile Response to Reactive Oxygen Species. Nephron Experimental Nephrology, 2000, 8, 97-103.	2.2	17
50	H 2 O 2 Regulation of Vascular Function Through sGC mRNA Stabilization by HuR. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 567-573.	2.4	17
51	Hyperphosphatemia induces cellular senescence in human aorta smooth muscle cells through integrin linked kinase (ILK) up-regulation. Mechanisms of Ageing and Development, 2015, 152, 43-55.	4.6	17
52	The program of renal fibrogenesis is controlled by microRNAs regulating oxidative metabolism. Redox Biology, 2021, 40, 101851.	9.0	17
53	Systemic and regional haemodynamic effects of a synthetic atrial natriuretic peptide in conscious rats. Clinical Science, 1986, 71, 323-325.	4.3	16
54	Effects of parathyroid hormone-related protein on human mesangial cells in culture. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E990-E995.	3.5	16

#	Article	IF	Citations
55	Endothelial Control of Vasomotor Tone: The Kidney Perspective. Seminars in Nephrology, 2012, 32, 156-166.	1.6	16
56	Quality Assurance of Samples and Processes in the Spanish Renal Research Network (REDinREN) Biobank. Biopreservation and Biobanking, 2016, 14, 499-510.	1.0	16
57	Targeted Genomic Disruption of H-Ras Induces Hypotension Through a NO-cGMP-PKG Pathwayâ€“Dependent Mechanism. Hypertension, 2010, 56, 484-489.	2.7	15
58	Nitric Oxide Decreases the Expression of Endothelin-Converting Enzyme-1 Through mRNA Destabilization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2577-2585.	2.4	15
59	New losartan-hydrocaffeic acid hybrids as antihypertensive-antioxidant dual drugs: Ester, amide and amine linkers. European Journal of Medicinal Chemistry, 2012, 50, 90-101.	5.5	14
60	Relevant role of PKG in the progression of fibrosis induced by TNF-like weak inducer of apoptosis. American Journal of Physiology - Renal Physiology, 2014, 307, F75-F85.	2.7	14
61	Feocromocitoma-paraganglioma: del diagnÃ³stico bioquÃmico al genÃ©tico. Nefrologia, 2016, 36, 481-488.	0.4	14
62	Atrial natriuretic peptide inhibits glomerular contraction induced by angiotensin II and platelet activating factor. European Journal of Pharmacology, 1987, 135, 93-96.	3.5	13
63	Argâ€“Glyâ€“Asp (RGD)-containing peptides increase soluble guanylate cyclase in contractile cells. Cardiovascular Research, 2006, 69, 359-369.	3.8	12
64	Predicting the Appearance of Hypotension during Hemodialysis Sessions Using Machine Learning Classifiers. International Journal of Environmental Research and Public Health, 2021, 18, 2364.	2.6	12
65	Somatostatin activates particulate guanylate cyclase in cultured rat mesangial cells. Kidney International, 1994, 46, 1611-1615.	5.2	11
66	Effect of Atrial Natriuretic Peptide and Calcium Antagonists on Platelet-Activating Factor-Induced Contraction and Intracellular Calcium Mobilization in Rat Mesangial Cells. Journal of Cardiovascular Pharmacology, 1994, 24, 388-393.	1.9	11
67	Mechanisms of cGMP-dependent mesangial-cell relaxation: a role for myosin light-chain phosphatase activation. Biochemical Journal, 2000, 346, 217-222.	3.7	11
68	Differential Regulation of Soluble Guanylyl Cyclase Expression and Signaling by Collagens: Involvement of Integrin-Linked Kinase. Journal of the American Society of Nephrology: JASN, 2005, 16, 2626-2635.	6.1	11
69	Glucose Oxidase Induces Cellular Senescence in Immortal Renal Cells through ILK by DownregulatingKlothoGene Expression. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-13.	4.0	11
70	ILK and cytoskeletal architecture: an important determinant of AQP2 recycling and subsequent entry into the exocytotic pathway. American Journal of Physiology - Renal Physiology, 2016, 311, F1346-F1357.	2.7	11
71	Regulation of endothelin synthesis by extracellular matrix in human endothelial cells. Kidney International, 2002, 62, 537-543.	5.2	10
72	Tirofiban increases soluble guanylate cyclase in rat vascular walls: pharmacological and pathophysiological consequences. Cardiovascular Research, 2009, 82, 125-132.	3.8	10

#	Article	IF	Citations
73	Changes in extracellular matrix composition regulate cyclooxygenase-2 expression in human mesangial cells. American Journal of Physiology - Cell Physiology, 2011, 300, C907-C918.	4.6	10
74	Renal Integrin-Linked Kinase Depletion Induces Kidney cGMP-Axis Upregulation: Consequences on Basal and Acutely Damaged Renal Function. Molecular Medicine, 2015, 21, 873-885.	4.4	10
75	Amadori products promote cellular senescence activating insulin-like growth factor-1 receptor and down-regulating the antioxidant enzyme catalase. International Journal of Biochemistry and Cell Biology, 2013, 45, 1255-1264.	2.8	9
76	Hâ€•ras deletion protects against angiotensin Iâ€“induced arterial hypertension and cardiac remodeling through protein kinase Gâ€Î² pathway activation. FASEB Journal, 2018, 32, 920-934.	0.5	9
77	Pyrrolo[1,2â€•a]quinoxalines: Insulin Mimetics that Exhibit Potent and Selective Inhibition against Protein Tyrosine Phosphatase 1B. ChemMedChem, 2020, 15, 1788-1801.	3.2	9
78	New therapies: calcimimetics, phosphate binders and vitaminÂD receptor activators. Pediatric Nephrology, 2010, 25, 609-616.	1.7	8
79	Regulation of endothelin-converting enzyme-1 (ECE-1) by the calcimimetic R-568. Pharmacological Research, 2013, 76, 106-118.	7.1	8
80	Ilk conditional deletion in adult animals increases cyclic GMP-dependent vasorelaxation. Cardiovascular Research, 2013, 99, 535-544.	3.8	8
81	Integrin linked kinase regulates the transcription of AQP2 by NFATC3. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 922-935.	1.9	8
82	Integrin Linked Kinase (ILK) Downregulation as an Early Event During the Development of Metabolic Alterations in a Short-Term High Fat Diet Mice Model. Cellular Physiology and Biochemistry, 2020, 54, 71-87.	1.6	6
83	Active role of plasma in blood hypercoagulability induced by phenylhydrazine. Thrombosis Research, 1989, 53, 215-220.	1.7	5
84	Prostanoid production in post-gastrectomy gastritis. American Journal of Medicine, 1989, 86, 17-20.	1.5	5
85	Evaluation of a Polynephron Dialysis Membrane considering New Aspects of Biocompatibility. International Journal of Artificial Organs, 2015, 38, 45-53.	1.4	5
86	CalcificaciÃ³n arterial coronaria en pacientes con diabetes mellitus y enfermedad renal crÃ³nica avanzada. Endocrinologia, Diabetes Y NutriciÃ“n, 2019, 66, 297-304.	0.3	5
87	Influence of Polysulphone-Derived Dialysis Membranes on the Interaction of Circulating Mononuclear Cells with the Endothelium. International Journal of Artificial Organs, 2014, 37, 455-465.	1.4	4
88	El triacetato de celulosa asimÃ©trico es una alternativa segura y eficaz para la hemodiafiltraciÃ³n en lÃnea. Nefrologia, 2018, 38, 315-320.	0.4	4
89	ContribuciÃ³n de las toxinas urÃ©micas a la fibrosis vascular asociada a la enfermedad renal crÃ³nica. Nefrologia, 2018, 38, 639-646.	0.4	4
90	Discovery of potent calpain inhibitors based on the azolo-imidazolidenone scaffold. European Journal of Medicinal Chemistry, 2018, 157, 946-959.	5.5	4

#	Article	IF	Citations
91	Tripeptides as Integrin-Linked Kinase Modulating Agents Based on a Proteinâ€“Protein Interaction with Î±-Parvin. ACS Medicinal Chemistry Letters, 2021, 12, 1656-1662.	2.8	4
92	Start-up of a clinical sample processing, storage and management platform: organisation and development of the REDinREN Biobank. Nefrologia, 2012, 32, 28-34.	0.4	3
93	Urinary Excretion and Glomerular Synthesis of Prostaglandin E₂ and Prostaglandin F_{2Î±} in Cirrhotic, Non-Ascitic Rats: The Effects of Sodium Overload. Nephron, 1988, 49, 322-327.	1.8	2
94	Mechanisms of cGMP-dependent mesangial-cell relaxation: a role for myosin light-chain phosphatase activation. Biochemical Journal, 2000, 346, 217.	3.7	2
95	Amiloidosis renal hereditaria por depÃ³sito de apolipoproteÃna AI: un reto diagnÃ³stico. Nefrologia, 2015, 35, 322-327.	0.4	2
96	El sistema pHLIP como vehÃculo de microRNA en el riÃ±Ã³n. Nefrologia, 2020, 40, 491-498.	0.4	2
97	RiÃ±Ã³n e hipertensiÃ³n en el anciano. Medicina ClÃnica, 2021, 157, 178-184.	0.6	2
98	Medical Prognosis of Infectious Diseases in Nursing Homes by Applying Machine Learning on Clinical Data Collected in Cloud Microservices. International Journal of Environmental Research and Public Health, 2021, 18, 13278.	2.6	2
99	Prolactin Plasma Levels and Its Size Heterogeneity in Acutely Uremic Rats. Nephron, 1984, 38, 188-192.	1.8	1
100	The pHLIP system as a vehicle for microRNAs in the kidney. Nefrologia, 2020, 40, 491-498.	0.4	1
101	Impact of SARS-CoV-2 infection in the population on peritoneal dialysis. The Spanish experience : preliminary results.. Bulletin De La Dialyse Ã€ Domicile, 2020, 3, 147-154.	0.2	1
102	Machine-Learning Model to Predict the Intradialytic Hypotension Based on Clinical-Analytical Data. IEEE Access, 2022, 10, 72065-72079.	4.2	1