Diego RodrÃ-guez Puyol

List of Publications by Year
in descending order

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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	Machine-Learning Model to Predict the Intradialytic Hypotension Based on Clinical-Analytical Data. IEEE Access, 2022, 10, 72065-72079.	4.2	1
2	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
3	Renal tubule Cpt1a overexpression protects from kidney fibrosis by restoring mitochondrial homeostasis. Journal of Clinical Investigation, 2021, 131, .	8.2	147
4	The program of renal fibrogenesis is controlled by microRNAs regulating oxidative metabolism. Redox Biology, 2021, 40, 101851.	9.0	17
5	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
6	RiÃ±Ã³n e hipertensiÃ³n en el anciano. Medicina ClÃnica, 2021, 157, 178-184.	0.6	2
7	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
8	El sistema pHLIP como vehÃculo de microRNA en el riÃ±Ã³n. Nefrologia, 2020, 40, 491-498.	0.4	2
9	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
10	The pHLIP system as a vehicle for microRNAs in the kidney. Nefrologia, 2020, 40, 491-498.	0.4	1
11	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
12	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
13	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
14	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
15	Atherosclerosis in Chronic Kidney Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1938-1966.	2.4	164
16	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
17	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
18	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

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19	Genetic deficiency or pharmacological inhibition of miR-33 protects from kidney fibrosis. JCI Insight, 2019, 4, .	5.0	46
20	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
21	Hâ€‹ras deletion protects against angiotensin IIâ€“induced arterial hypertension and cardiac remodeling through protein kinase Gâ€‹Î² pathway activation. FASEB Journal, 2018, 32, 920-934.	0.5	9
22	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
23	Hyperphosphatemia Promotes Senescence of Myoblasts by Impairing Autophagy Through Ilk Overexpression, A Possible Mechanism Involved in Sarcopenia. , 2018, 9, 769.		28
24	ContribuciÃ³n de las toxinas urÃ©micas a la fibrosis vascular asociada a la enfermedad renal crÃ³nica. Nefrologia, 2018, 38, 639-646.	0.4	4
25	Discovery of potent calpain inhibitors based on the azolo-imidazolidenone scaffold. European Journal of Medicinal Chemistry, 2018, 157, 946-959.	5.5	4
26	Peripheral insulin resistance in ILK-depleted mice by reduction of GLUT4 expression. Journal of Endocrinology, 2017, 234, 115-128.	2.6	23
27	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
28	Tweak up-regulates endothelin-1 system in mouse and human endothelial cells. Cardiovascular Research, 2017, 113, 207-221.	3.8	22
29	Hyperphosphatemia induces senescence in human endothelial cells by increasing endothelinâ€‹1 production. Aging Cell, 2017, 16, 1300-1312.	6.7	36
30	Integrin linked kinase regulates the transcription of AQP2 by NFATC3. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 922-935.	1.9	8
31	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
32	Feocromocitoma-paraganglioma: del diagnÃ³stico bioquÃmico al genÃ©tico. Nefrologia, 2016, 36, 481-488.	0.4	14
33	Quality Assurance of Samples and Processes in the Spanish Renal Research Network (REDinREN) Biobank. Biopreservation and Biobanking, 2016, 14, 499-510.	1.0	16
34	Evaluation of a Polynephron Dialysis Membrane considering New Aspects of Biocompatibility. International Journal of Artificial Organs, 2015, 38, 45-53.	1.4	5
35	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
36	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

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37	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
38	Amiloidosis renal hereditaria por depÃ³sito de apolipoproteÃna AI: un reto diagnÃ³stico. Nefrologia, 2015, 35, 322-327.	0.4	2
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	Regulation of endothelin-converting enzyme-1 (ECE-1) by the calcimimetic R-568. Pharmacological Research, 2013, 76, 106-118.	7.1	8
48	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
49	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
50	Ilk conditional deletion in adult animals increases cyclic GMP-dependent vasorelaxation. Cardiovascular Research, 2013, 99, 535-544.	3.8	8
51	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
52	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
53	Integrin-linked kinase (ILK) modulates wound healing through regulation of hepatocyte growth factor (HGF). Experimental Cell Research, 2012, 318, 2470-2481.	2.6	24
54	Endothelial Control of Vasomotor Tone: The Kidney Perspective. Seminars in Nephrology, 2012, 32, 156-166.	1.6	16

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55	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
56	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
57	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
58	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
59	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
60	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
61	New therapies: calcimimetics, phosphate binders and vitaminÂD receptor activators. Pediatric Nephrology, 2010, 25, 609-616.	1.7	8
62	Targeted Genomic Disruption of H-Ras Induces Hypotension Through a NO-cGMP-PKG Pathwayâ€“Dependent Mechanism. Hypertension, 2010, 56, 484-489.	2.7	15
63	Deletion of H-Ras decreases renal fibrosis and myofibroblast activation following ureteral obstruction in mice. Kidney International, 2010, 77, 509-518.	5.2	56
64	Tirofiban increases soluble guanylate cyclase in rat vascular walls: pharmacological and pathophysiological consequences. Cardiovascular Research, 2009, 82, 125-132.	3.8	10
65	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
66	Losartan-Antioxidant Hybrids: Novel Molecules for the Prevention of Hypertension-Induced Cardiovascular Damage. Journal of Medicinal Chemistry, 2009, 52, 7220-7227.	6.4	37
67	Telomerase deficiency promotes oxidative stress by reducing catalase activity. Free Radical Biology and Medicine, 2008, 45, 1243-1251.	2.9	32
68	Oral active vitamin D is associated with improved survival in hemodialysis patients. Kidney International, 2008, 74, 1070-1078.	5.2	183
69	Argâ€“Glyâ€“Asp (RGD)-containing peptides increase soluble guanylate cyclase in contractile cells. Cardiovascular Research, 2006, 69, 359-369.	3.8	12
70	The Leukocyte-Endothelial Cell Interactions are Modulated by Extracellular Matrix Proteins. Cellular Physiology and Biochemistry, 2006, 17, 221-232.	1.6	46
71	Mice Deficient in Telomerase Activity Develop Hypertension Because of an Excess of Endothelin Production. Circulation, 2006, 114, 309-317.	1.6	93
72	Nitric Oxide Regulates Transforming Growth Factor-Î² Signaling in Endothelial Cells. Circulation Research, 2005, 97, 1115-1123.	4.5	114

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73	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
74	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
75	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
76	Smad2 Mediates Transforming Growth Factor-Î² Induction of Endothelial Nitric Oxide Synthase Expression. Circulation Research, 2002, 91, 806-813.	4.5	78
77	Regulation of endothelin synthesis by extracellular matrix in human endothelial cells. Kidney International, 2002, 62, 537-543.	5.2	10
78	The Role of Hydrogen Peroxide in the Contractile Response to Angiotensin II. Molecular Pharmacology, 2001, 59, 104-112.	2.3	75
79	Hydrogen peroxide increases extracellular matrix mRNA through TGF-Î² in human mesangial cells. Kidney International, 2001, 59, 87-95.	5.2	196
80	Mechanisms of cGMP-dependent mesangial-cell relaxation: a role for myosin light-chain phosphatase activation. Biochemical Journal, 2000, 346, 217.	3.7	2
81	Mechanisms of cGMP-dependent mesangial-cell relaxation: a role for myosin light-chain phosphatase activation. Biochemical Journal, 2000, 346, 217-222.	3.7	11
82	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
83	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
84	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
85	Parathyroid Hormone-Related Protein: Roles in the Glomerulus. Nephron Experimental Nephrology, 1999, 7, 212-216.	2.2	25
86	Cyclosporine a nephrotoxicity: Role of thromboxane and reactive oxygen species. Translational Research, 1998, 131, 63-70.	2.3	50
87	CsA and FK506 up-regulate eNOS expression: Role of reactive oxygen species and AP-1. Kidney International, 1998, 54, S20-S24.	5.2	44
88	Oxidant/Antioxidant Balance in Isolated Glomeruli and Cultured Mesangial Cells. Free Radical Biology and Medicine, 1997, 22, 49-56.	2.9	29
89	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
90	Regulation of inducible nitric oxide synthase expression in rat mesangial cells and isolated glomeruli. Kidney International, 1995, 47, 500-509.	5.2	40

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91	Somatostatin activates particulate guanylate cyclase in cultured rat mesangial cells. Kidney International, 1994, 46, 1611-1615.	5.2	11
92	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
93	Somatostatin antagonizes angiotensin II effects on mesangial cell contraction and glomerular filtration. Kidney International, 1993, 43, 324-333.	5.2	26
94	Adenosine induces mesangial cell contraction by an A1-type receptor. Kidney International, 1989, 35, 1300-1305.	5.2	59
95	Actions of cyclosporin A on cultured rat mesangial cells. Kidney International, 1989, 35, 632-637.	5.2	67
96	Active role of plasma in blood hypercoagulability induced by phenylhydrazine. Thrombosis Research, 1989, 53, 215-220.	1.7	5
97	Prostanoid production in post-gastrectomy gastritis. American Journal of Medicine, 1989, 86, 17-20.	1.5	5
98	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
99	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
100	Systemic and regional haemodynamic effects of a synthetic atrial natriuretic peptide in conscious rats. Clinical Science, 1986, 71, 323-325.	4.3	16
101	Effect of volume expansion on hemodynamics, capillary permeability and renal function in conscious, cirrhotic rats. Hepatology, 1986, 6, 129-134.	7.3	95
102	Prolactin Plasma Levels and Its Size Heterogeneity in Acutely Uremic Rats. Nephron, 1984, 38, 188-192.	1.8	1