

Juan Miguel Redondo

List of Publications by Year in descending order

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94
papers

5,627
citations

57758

44
h-index

82547

72
g-index

94
all docs

94
docs citations

94
times ranked

8820
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Inhibition of Vascular Endothelial Growth Factor-Mediated Angiogenesis by Cyclosporin a. <i>Journal of Experimental Medicine</i> , 2001, 193, 607-620.	8.5	412
2	Cux1 and Cux2 Regulate Dendritic Branching, Spine Morphology, and Synapses of the Upper Layer Neurons of the Cortex. <i>Neuron</i> , 2010, 66, 523-535.	8.1	247
3	Mitochondrial Respiration Controls Lysosomal Function during Inflammatory T Cell Responses. <i>Cell Metabolism</i> , 2015, 22, 485-498.	16.2	239
4	An Essential Role of the Nuclear Factor of Activated T Cells in the Regulation of the Expression of the Cyclooxygenase-2 Gene in Human T Lymphocytes. <i>Journal of Biological Chemistry</i> , 2000, 275, 23627-23635.	3.4	194
5	Vascular Endothelial Growth Factor Activates Nuclear Factor of Activated T Cells in Human Endothelial Cells: a Role for Tissue Factor Gene Expression. <i>Molecular and Cellular Biology</i> , 1999, 19, 2032-2043.	2.3	183
6	Cyclooxygenase-2: a therapeutic target in angiogenesis. <i>Trends in Molecular Medicine</i> , 2003, 9, 73-78.	6.7	181
7	General Statistical Framework for Quantitative Proteomics by Stable Isotope Labeling. <i>Journal of Proteome Research</i> , 2014, 13, 1234-1247.	3.7	165
8	Renaming the DSCR1 / Adapt78 gene family as RCAN : regulators of calcineurin. <i>FASEB Journal</i> , 2007, 21, 3023-3028.	0.5	157
9	Inhibitors of the Calcineurin / NFAT Pathway. <i>Current Medicinal Chemistry</i> , 2004, 11, 997-1007.	2.4	152
10	Doxorubicin Induces Apoptosis and CD95 Gene Expression in Human Primary Endothelial Cells through a p53-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2002, 277, 10883-10892.	3.4	138
11	A Role for the p38 MAP Kinase Pathway in the Nuclear Shuttling of NFATp. <i>Journal of Biological Chemistry</i> , 2000, 275, 13872-13878.	3.4	136
12	Nitric oxide mediates aortic disease in mice deficient in the metalloprotease Adamts1 and in a mouse model of Marfan syndrome. <i>Nature Medicine</i> , 2017, 23, 200-212.	30.7	134
13	A Conserved Docking Surface on Calcineurin Mediates Interaction with Substrates and Immunosuppressants. <i>Molecular Cell</i> , 2009, 33, 616-626.	9.7	108
14	Cux-2 Controls the Proliferation of Neuronal Intermediate Precursors of the Cortical Subventricular Zone. <i>Cerebral Cortex</i> , 2008, 18, 1758-1770.	2.9	96
15	A Robust Method for Quantitative High-throughput Analysis of Proteomes by 18O Labeling. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003335.	3.8	95
16	The hepatitis B virus X protein activates nuclear factor of activated T cells (NF-AT) by a cyclosporin A-sensitive pathway. <i>EMBO Journal</i> , 1998, 17, 7066-7077.	7.8	91
17	Prostanoid signal transduction and gene expression in the endothelium: Role in cardiovascular diseases. <i>Cardiovascular Research</i> , 2006, 70, 446-456.	3.8	90
18	Alternative Promoter Usage at the Notch1 Locus Supports Ligand-Independent Signaling in T Cell Development and Leukemogenesis. <i>Immunity</i> , 2010, 33, 685-698.	14.3	86

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19	A Novel Systems-Biology Algorithm for the Analysis of Coordinated Protein Responses Using Quantitative Proteomics. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1740-1760.	3.8	86
20	The Up-regulation of Human Caspase-8 by Interferon- β in Breast Tumor Cells Requires the Induction and Action of the Transcription Factor Interferon Regulatory Factor-1. <i>Journal of Biological Chemistry</i> , 2004, 279, 19712-19720.	3.4	85
21	Sequential Ligand-Dependent Notch Signaling Activation Regulates Valve Primordium Formation and Morphogenesis. <i>Circulation Research</i> , 2016, 118, 1480-1497.	4.5	85
22	Statistical Model to Analyze Quantitative Proteomics Data Obtained by $^{18}O/^{16}O$ Labeling and Linear Ion Trap Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1130-1149.	3.8	76
23	Ageing-Associated miR-217 Aggravates Atherosclerosis and Promotes Cardiovascular Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2408-2424.	2.4	73
24	Cooperative Synergy between NFAT and MyoD Regulates Myogenin Expression and Myogenesis. <i>Journal of Biological Chemistry</i> , 2008, 283, 29004-29010.	3.4	72
25	High-sensitivity analysis of specific peptides in complex samples by selected MS/MS ion monitoring and linear ion trap mass spectrometry: Application to biological studies. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1391-1403.	1.6	68
26	The Chromatin Remodeling Complex Chd4/NuRD Controls Striated Muscle Identity and Metabolic Homeostasis. <i>Cell Metabolism</i> , 2016, 23, 881-892.	16.2	68
27	p38 β and β promote heart hypertrophy by targeting the mTOR-inhibitory protein DEPTOR for degradation. <i>Nature Communications</i> , 2016, 7, 10477.	12.8	68
28	Pyrrolidine dithiocarbamate protects mice from lethal shock induced by LPS or TNF- α . <i>European Journal of Immunology</i> , 1999, 29, 1890-1900.	2.9	67
29	PGE2 induces angiogenesis via MT1-MMP-mediated activation of the TGF β ² /Alk5 signaling pathway. <i>Blood</i> , 2008, 112, 1120-1128.	1.4	67
30	JNK (c-Jun NH2-terminal Kinase) Is a Target for Antioxidants in T Lymphocytes. <i>Journal of Biological Chemistry</i> , 1996, 271, 26335-26340.	3.4	66
31	The non-canonical NOTCH ligand DLK1 exhibits a novel vascular role as a strong inhibitor of angiogenesis. <i>Cardiovascular Research</i> , 2012, 93, 232-241.	3.8	65
32	Blockade of NFAT Activation by the Second Calcineurin Binding Site. <i>Journal of Biological Chemistry</i> , 2006, 281, 6227-6235.	3.4	62
33	Depolarization of Neural Cells Induces Transcription of the Down Syndrome Critical Region 1 Isoform 4 via a Calcineurin/Nuclear Factor of Activated T Cells-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 29435-29443.	3.4	60
34	c-Jun N-terminal Kinase (JNK) Positively Regulates NFATc2 Transactivation through Phosphorylation within the N-terminal Regulatory Domain. <i>Journal of Biological Chemistry</i> , 2005, 280, 20867-20878.	3.4	59
35	Regulator of calcineurin 1 mediates pathological vascular wall remodeling. <i>Journal of Experimental Medicine</i> , 2011, 208, 2125-2139.	8.5	59
36	Retinoid X receptors orchestrate osteoclast differentiation and postnatal bone remodeling. <i>Journal of Clinical Investigation</i> , 2015, 125, 809-823.	8.2	58

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37	Changes to the gut microbiota induced by losartan contributes to its antihypertensive effects. <i>British Journal of Pharmacology</i> , 2020, 177, 2006-2023.	5.4	57
38	Calcium/calcineurin signaling in primary cortical astrocyte cultures: <i>Rcan1</i> and cyclooxygenase as NFAT target genes. <i>Glia</i> , 2008, 56, 709-722.	4.9	56
39	Prostanoids in tumor angiogenesis: therapeutic intervention beyond COX-2. <i>Trends in Molecular Medicine</i> , 2012, 18, 233-243.	6.7	54
40	Extracellular Tuning of Mitochondrial Respiration Leads to Aortic Aneurysm. <i>Circulation</i> , 2021, 143, 2091-2109.	1.6	54
41	Regulator of calcineurin 1 (<i>Rcan1</i>) has a protective role in brain ischemia/reperfusion injury. <i>Journal of Neuroinflammation</i> , 2012, 9, 48.	7.2	53
42	Deficiency of MMP17/MT4-MMP Proteolytic Activity Predisposes to Aortic Aneurysm in Mice. <i>Circulation Research</i> , 2015, 117, e13-26.	4.5	53
43	Expression and function of AIM, an activation inducer molecule of human lymphocytes, is dependent on the activation of protein kinase C. <i>European Journal of Immunology</i> , 1989, 19, 809-815.	2.9	49
44	<i>Cux1</i> and <i>Cux2</i> control the development of Reelin expressing cortical interneurons. <i>Developmental Neurobiology</i> , 2008, 68, 917-925.	3.0	48
45	Protective Effects of Short-Chain Fatty Acids on Endothelial Dysfunction Induced by Angiotensin II. <i>Frontiers in Physiology</i> , 2020, 11, 277.	2.8	48
46	Macrophage-specific MHCII expression is regulated by a remote <i>Ciita</i> enhancer controlled by NFAT5. <i>Journal of Experimental Medicine</i> , 2018, 215, 2901-2918.	8.5	47
47	The RCAN carboxyl end mediates calcineurin docking-dependent inhibition via a site that dictates binding to substrates and regulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6117-6122.	7.1	45
48	Antioxidants and AP-1 Activation: A Brief Overview. <i>Immunobiology</i> , 1997, 198, 273-278.	1.9	44
49	<i>Plk1</i> regulates contraction of postmitotic smooth muscle cells and is required for vascular homeostasis. <i>Nature Medicine</i> , 2017, 23, 964-974.	30.7	44
50	Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Decoy Receptor TRAIL-R3 Is Up-regulated by p53 in Breast Tumor Cells through a Mechanism Involving an Intronic p53-binding Site. <i>Journal of Biological Chemistry</i> , 2004, 279, 4093-4101.	3.4	41
51	Plasma Membrane Calcium ATPase Isoform 4 Inhibits Vascular Endothelial Growth Factor-Mediated Angiogenesis Through Interaction With Calcineurin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2310-2320.	2.4	41
52	NFATc3 regulates the transcription of genes involved in T-cell activation and angiogenesis. <i>Blood</i> , 2011, 118, 795-803.	1.4	39
53	A major role for <i>RCAN1</i> in atherosclerosis progression. <i>EMBO Molecular Medicine</i> , 2013, 5, 1901-1917.	6.9	35
54	Dithiocarbamates Trigger Differentiation and Induction of <i>CD11c</i> Gene through AP-1 in the Myeloid Lineage. <i>Journal of Biological Chemistry</i> , 1996, 271, 10924-10931.	3.4	33

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55	Oxidative stress induces loss of pericyte coverage and vascular instability in PGC-1 β -deficient mice. <i>Angiogenesis</i> , 2016, 19, 217-228.	7.2	32
56	Calcium-dependent expression of TNF- α in neural cells is mediated by the calcineurin/NFAT pathway. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 692-701.	2.2	31
57	Identification of phosphorylation sites in proteins by nanospray quadrupole ion trap mass spectrometry. <i>Journal of Proteome Research</i> , 2000, 35, 556-565.		30
58	Specific calcineurin targeting in macrophages confers resistance to inflammation via MKP-1 and p38. <i>EMBO Journal</i> , 2014, 33, 1117-1133.	7.8	29
59	Aortic disease in Marfan syndrome is caused by overactivation of sGC-PRKG signaling by NO. <i>Nature Communications</i> , 2021, 12, 2628.	12.8	28
60	COX-2 Limits Prostanoid Production in Activated HUVECs and Is a Source of PGH ₂ for Transcellular Metabolism to PGE ₂ by Tumor Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1131-1137.	2.4	27
61	Induction of T cell activation by monoclonal antibodies specific for the transferrin receptor. <i>European Journal of Immunology</i> , 1990, 20, 765-770.	2.9	26
62	Characterization of p53-mediated Up-regulation of CD95 Gene Expression upon Genotoxic Treatment in Human Breast Tumor Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 31667-31675.	3.4	26
63	The Linker Region Joining the Catalytic and the Regulatory Domains of CnA Is Essential for Binding to NFAT. <i>Journal of Biological Chemistry</i> , 2005, 280, 9980-9984.	3.4	25
64	New Methods for Disease Modeling Using Lentiviral Vectors. <i>Trends in Molecular Medicine</i> , 2018, 24, 825-837.	6.7	25
65	Inhibition of interleukin 2-induced proliferation of cloned murine T cells by glucocorticoids. Possible involvement of an inhibitory protein. <i>European Journal of Immunology</i> , 1988, 18, 1555-1560.	2.9	24
66	Potentiation of interleukin-2 activity by levamisole and imidazole. <i>Immunology Letters</i> , 1987, 14, 111-116.	2.5	22
67	The Hepatitis B Virus X Protein Binds to and Activates the NH ₂ -Terminal trans-Activation Domain of Nuclear Factor of Activated T Cells-1. <i>Virology</i> , 2002, 299, 288-300.	2.4	21
68	CDCA7 is a critical mediator of lymphomagenesis that selectively regulates anchorage-independent growth. <i>Haematologica</i> , 2018, 103, 1669-1678.	3.5	20
69	Attenuated Epigenetic Suppression of Muscle Stem Cell Necroptosis Is Required for Efficient Regeneration of Dystrophic Muscles. <i>Cell Reports</i> , 2020, 31, 107652.	6.4	19
70	A novel role for an RCAN3-derived peptide as a tumor suppressor in breast cancer. <i>Carcinogenesis</i> , 2015, 36, 792-799.	2.8	18
71	Interferon-stimulated gene 15 pathway is a novel mediator of endothelial dysfunction and aneurysms development in angiotensin II infused mice through increased oxidative stress. <i>Cardiovascular Research</i> , 2022, 118, 3250-3268.	3.8	18
72	C/EBP β and Nuclear Factor of Activated T Cells Differentially Regulate Adamts-1 Induction by Stimuli Associated with Vascular Remodeling. <i>Molecular and Cellular Biology</i> , 2015, 35, 3409-3422.	2.3	17

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73	Quantitative in-depth analysis of the dynamic secretome of activated Jurkat T-cells. <i>Journal of Proteomics</i> , 2011, 75, 561-571.	2.4	16
74	Impact of Left Ventricular Hypertrophy on Troponin Release During Acute Myocardial Infarction: New Insights From a Comprehensive Translational Study. <i>Journal of the American Heart Association</i> , 2015, 4, e001218.	3.7	16
75	NFATc3 controls tumour growth by regulating proliferation and migration of human astrogloma cells. <i>Scientific Reports</i> , 2019, 9, 9361.	3.3	16
76	Systematic characterization of phosphorylation sites in NFATc2 by linear ion trap mass spectrometry. <i>Proteomics</i> , 2006, 6, S16-S27.	2.2	15
77	Cardiomyocyte calcineurin is required for the onset and progression of cardiac hypertrophy and fibrosis in adult mice. <i>FEBS Journal</i> , 2019, 286, 46-65.	4.7	14
78	Activation of the Na ⁺ /K ⁺ -ATPase by interleukin-2. <i>FEBS Letters</i> , 1986, 206, 199-202.	2.8	13
79	MAZ induces MYB expression during the exit from quiescence via the E2F site in the MYB promoter. <i>Nucleic Acids Research</i> , 2017, 45, 9960-9975.	14.5	13
80	Regulator of calcineurin 1 modulates vascular contractility and stiffness through the upregulation of COX-2-derived prostanoids. <i>Pharmacological Research</i> , 2018, 133, 236-249.	7.1	12
81	Comparative Analysis between the In Vivo Biodistribution and Therapeutic Efficacy of Adipose-Derived Mesenchymal Stromal Cells Administered Intraperitoneally in Experimental Colitis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1853.	4.1	11
82	Selective inhibition of plasma membrane calcium ATPase 4 improves angiogenesis and vascular reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 109, 38-47.	1.9	10
83	Conditional deletion of Rcan1 predisposes to hypertension-mediated intramural hematoma and subsequent aneurysm and aortic rupture. <i>Nature Communications</i> , 2018, 9, 4795.	12.8	10
84	CHD4 ensures stem cell lineage fidelity during skeletal muscle regeneration. <i>Stem Cell Reports</i> , 2021, 16, 2089-2098.	4.8	10
85	The NO signalling pathway in aortic aneurysm and dissection. <i>British Journal of Pharmacology</i> , 2022, 179, 1287-1303.	5.4	9
86	Rewiring Vascular Metabolism Prevents Sudden Death due to Aortic Rupturesâ€”Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 462-469.	2.4	8
87	Transcription initiation sites and promoter structure of the human TRAIL-R3 gene1. <i>FEBS Letters</i> , 2002, 531, 304-308.	2.8	7
88	Transcriptional Regulation of the TRAIL-R3 Gene. <i>Vitamins and Hormones</i> , 2004, 67, 51-63.	1.7	6
89	Defective p27 phosphorylation at serine 10 affects vascular reactivity and increases abdominal aortic aneurysm development via Cox-2 activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 116, 5-15.	1.9	6
90	Nonlinear Optical 3-Dimensional Method for Quantifying Atherosclerosis Burden. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 566-569.	2.6	5

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91	Transcriptional Regulation of the Human T Cell Receptor $\hat{\gamma}$ Gene. Immunobiology, 1995, 193, 288-292.	1.9	3
92	Madrid Center Not Quite in Limbo. Science, 2005, 309, 1017a-1017a.	12.6	0
93	Letter by Campanero and Redondo Regarding Article, "Intrajugular Vein Injection of High-Titer Lentiviral Vectors Does Not Transduce the Aorta". Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e238-e239.	2.4	0
94	Regulator of calcineurin 1 mediates pathological vascular wall remodeling. Journal of Cell Biology, 2011, 195, i1-i1.	5.2	0