

Jose A Rodriguez

List of Publications by Year in descending order

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73
papers

2,316
citations

159358

30
h-index

233125

45
g-index

87
all docs

87
docs citations

87
times ranked

3524
citing authors

#	ARTICLE	IF	CITATIONS
1	C-Reactive Protein Induces Matrix Metalloproteinase-1 and -10 in Human Endothelial Cells. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1369-1378.	1.2	168
2	Matrix metalloproteinase-9, -10, and tissue inhibitor of matrix metalloproteinases-1 blood levels as biomarkers of severity and mortality in sepsis. <i>Critical Care</i> , 2009, 13, R158.	2.5	105
3	Hyperhomocysteinemia in Liver Cirrhosis. <i>Hypertension</i> , 2001, 38, 1217-1221.	1.3	97
4	Trimethylamine-N-Oxide (TMAO) Predicts Cardiovascular Mortality in Peripheral Artery Disease. <i>Scientific Reports</i> , 2019, 9, 15580.	1.6	91
5	Phagocytic NADPH Oxidase-Dependent Superoxide Production Stimulates Matrix Metalloproteinase-9. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 587-593.	1.1	82
6	Metalloproteinases and atherothrombosis: MMP-10 mediates vascular remodeling promoted by inflammatory stimuli. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2916.	3.0	78
7	Vitamins C and E downregulate vascular VEGF and VEGFR-2 expression in apolipoprotein-E-deficient mice. <i>Atherosclerosis</i> , 2003, 171, 67-73.	0.4	64
8	Independent association of matrix metalloproteinase-10, cardiovascular risk factors and subclinical atherosclerosis. <i>Journal of Thrombosis and Haemostasis</i> , 2007, 5, 91-97.	1.9	62
9	Antioxidant vitamins increase the collagen content and reduce MMP-1 in a porcine model of atherosclerosis: implications for plaque stabilization. <i>Atherosclerosis</i> , 2003, 167, 45-53.	0.4	61
10	Matrix metalloproteinase 10 contributes to hepatocarcinogenesis in a novel crosstalk with the stromal derived factor 1/CXCL12 chemokine receptor 4 axis. <i>Hepatology</i> , 2015, 62, 166-178.	3.6	61
11	Association of Sepsis-Related Mortality with Early Increase of TIMP-1/MMP-9 Ratio. <i>PLoS ONE</i> , 2014, 9, e94318.	1.1	60
12	Increased thrombin generation after acute versus chronic coronary disease as assessed by the thrombin generation test. <i>Thrombosis and Haemostasis</i> , 2008, 99, 382-387.	1.8	59
13	Matrix Metalloproteinase-10 Effectively Reduces Infarct Size in Experimental Stroke by Enhancing Fibrinolysis via a Thrombin-Activatable Fibrinolysis Inhibitor-Mediated Mechanism. <i>Circulation</i> , 2011, 124, 2909-2919.	1.6	54
14	Association between serum soluble CD40 ligand levels and mortality in patients with severe sepsis. <i>Critical Care</i> , 2011, 15, R97.	2.5	53
15	Synergistic Effect of Thrombin and CD40 Ligand on Endothelial Matrix Metalloproteinase-10 Expression and Microparticle Generation In Vitro and In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1477-1487.	1.1	53
16	Protective effect of the G-765C COX-2 polymorphism on subclinical atherosclerosis and inflammatory markers in asymptomatic subjects with cardiovascular risk factors. <i>Clinica Chimica Acta</i> , 2006, 368, 138-143.	0.5	52
17	Torsemide Inhibits Angiotensin II-Induced Vasoconstriction and Intracellular Calcium Increase in the Aorta of Spontaneously Hypertensive Rats. <i>Hypertension</i> , 1999, 34, 138-143.	1.3	48
18	Vitamins C and E Reduce Retinal Oxidative Stress and Nitric Oxide Metabolites and Prevent Ultrastructural Alterations in Porcine Hypercholesterolemia. , 2005, 46, 1140.		45

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19	Dietary supplementation with vitamins C and E prevents downregulation of endothelial NOS expression in hypercholesterolemia in vivo and in vitro. <i>Atherosclerosis</i> , 2002, 165, 33-40.	0.4	44
20	Vitamins C and E prevent endothelial VEGF and VEGFR-2 overexpression induced by porcine hypercholesterolemic LDL. <i>Cardiovascular Research</i> , 2005, 65, 665-673.	1.8	44
21	Matrix metalloproteinase-10 expression is induced during hepatic injury and plays a fundamental role in liver tissue repair. <i>Liver International</i> , 2014, 34, e257-70.	1.9	43
22	Matrix Metalloproteinase-10 Is Upregulated by Thrombin in Endothelial Cells and Increased in Patients With Enhanced Thrombin Generation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 2109-2116.	1.1	42
23	Induction of histone deacetylases (HDACs) in human abdominal aortic aneurysm: therapeutic potential of HDAC inhibitors. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 541-52.	1.2	42
24	MMP-10 Is Required for Efficient Muscle Regeneration in Mouse Models of Injury and Muscular Dystrophy. <i>Stem Cells</i> , 2014, 32, 447-461.	1.4	39
25	Serum levels of matrix metalloproteinase-10 are associated with the severity of atherosclerosis in patients with chronic kidney disease. <i>Kidney International</i> , 2010, 78, 1275-1280.	2.6	37
26	The CXCR4/SDF1 Axis Improves Muscle Regeneration Through MMP-10 Activity. <i>Stem Cells and Development</i> , 2014, 23, 1417-1427.	1.1	36
27	A Role for MMP-10 (Matrix Metalloproteinase-10) in Calcific Aortic Valve Stenosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1370-1382.	1.1	36
28	Matrix metalloproteinase 10 is associated with disease severity and mortality in patients with peripheral arterial disease. <i>Journal of Vascular Surgery</i> , 2015, 61, 428-435.	0.6	35
29	Association between Serum Tissue Inhibitor of Matrix Metalloproteinase-1 Levels and Mortality in Patients with Severe Brain Trauma Injury. <i>PLoS ONE</i> , 2014, 9, e94370.	1.1	34
30	Functional and transcriptomic analysis of extracellular vesicles identifies calprotectin as a new prognostic marker in peripheral arterial disease (PAD). <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1729646.	5.5	34
31	The 372 T/C genetic polymorphism of TIMP-1 is associated with serum levels of TIMP-1 and survival in patients with severe sepsis. <i>Critical Care</i> , 2013, 17, R94.	2.5	31
32	Matrix metalloproteinase-10 deficiency delays atherosclerosis progression and plaque calcification. <i>Atherosclerosis</i> , 2018, 278, 124-134.	0.4	27
33	Effect of Lutein and Antioxidant Supplementation on VEGF Expression, MMP-2 Activity, and Ultrastructural Alterations in Apolipoprotein E-Deficient Mouse. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-11.	1.9	25
34	Combined sustained release of BMP2 and MMP10 accelerates bone formation and mineralization of calvaria critical size defect in mice. <i>Drug Delivery</i> , 2018, 25, 750-756.	2.5	25
35	Stromelysin-2 (MMP-10) deficiency does not affect adipose tissue formation in a mouse model of nutritionally induced obesity. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 378-381.	1.0	24
36	CM352 Reduces Brain Damage and Improves Functional Recovery in a Rat Model of Intracerebral Hemorrhage. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	24

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37	MMP-10 is Increased in Early Stage Diabetic Kidney Disease and can be Reduced by Renin-Angiotensin System Blockade. <i>Scientific Reports</i> , 2020, 10, 26.	1.6	24
38	Egg yolk improves lipid profile, lipid peroxidation and retinal abnormalities in a murine model of genetic hypercholesterolemia. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 40-48.	1.9	23
39	MMP10 Promotes Efficient Thrombolysis After Ischemic Stroke in Mice with Induced Diabetes. <i>Translational Stroke Research</i> , 2019, 10, 389-401.	2.3	21
40	Effects of cryopreservation on the immunogenicity of porcine arterial allografts in early stages of transplant vasculopathy. <i>Cryobiology</i> , 2005, 51, 130-141.	0.3	20
41	Functional MMP-10 is required for efficient tissue repair after experimental hind limb ischemia. <i>FASEB Journal</i> , 2015, 29, 960-972.	0.2	19
42	Reduced high-density lipoprotein cholesterol: A valuable, independent prognostic marker in peripheral arterial disease. <i>Journal of Vascular Surgery</i> , 2017, 66, 1527-1533.e1.	0.6	19
43	Design, Synthesis, and Biological Evaluation of Novel Matrix Metalloproteinase Inhibitors As Potent Antihemorrhagic Agents: From Hit Identification to an Optimized Lead. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2465-2488.	2.9	18
44	Inner ear drug delivery through a cochlear implant: Pharmacokinetics in a Macaque experimental model. <i>Hearing Research</i> , 2021, 404, 108228.	0.9	18
45	Influence of the 4G/5G PAI-1 genotype on angiotensin II-stimulated human endothelial cells and in patients with hypertension. <i>Cardiovascular Research</i> , 2004, 63, 176-185.	1.8	17
46	Antioxidant effects of vitamins C and E, multivitamin-mineral complex and flavonoids in a model of retinal oxidative stress: The ApoE-deficient mouse. <i>Experimental Eye Research</i> , 2008, 86, 470-479.	1.2	16
47	Lack of TAFI increases brain damage and microparticle generation after thrombolytic therapy in ischemic stroke. <i>Thrombosis Research</i> , 2015, 136, 445-450.	0.8	15
48	New thrombolytic strategy providing neuroprotection in experimental ischemic stroke: MMP10 alone or in combination with tissue-type plasminogen activator. <i>Cardiovascular Research</i> , 2017, 113, 1219-1229.	1.8	15
49	Selective increase of cardiomyocyte derived extracellular vesicles after experimental myocardial infarction and functional effects on the endothelium. <i>Thrombosis Research</i> , 2018, 170, 1-9.	0.8	12
50	Discovery and Safety Profiling of a Potent Preclinical Candidate, (4-[4-[[3-(Hydroxycarbamoyl)-8-azaspiro[4.5]decan-3-yl]sulfonyl]phenoxy]-N-methylbenzamide) ₂ , (CM-352), for the Prevention and Treatment of Hemorrhage. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2941-2957.	2.9	11
51	Serum tissue inhibitor of matrix metalloproteinase-1 levels are associated with mortality in patients with malignant middle cerebral artery infarction. <i>BMC Neurology</i> , 2015, 15, 111.	0.8	11
52	Association of SDF1 and MMP12 with Atherosclerosis and Inflammation: Clinical and Experimental Study. <i>Life</i> , 2021, 11, 414.	1.1	9
53	Lipocalin-2 and Calprotectin Potential Prognosis Biomarkers in Peripheral Arterial Disease. <i>European Journal of Vascular and Endovascular Surgery</i> , 2022, 63, 648-656.	0.8	8
54	Role of Programmed Electrical Stimulation of the Heart in Risk Stratification Post-Myocardial Infarction. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1988, 11, 283-288.	0.5	6

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55	Association Between Matrix Metalloproteinase-10 Concentration and Smoking in Individuals Without Cardiovascular Disease. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2008, 61, 1267-1273.	0.4	6
56	High serum levels of tissue inhibitor of matrix metalloproteinase-1 during the first week of a malignant middle cerebral artery infarction in non-surviving patients. <i>BMC Neurology</i> , 2019, 19, 167.	0.8	6
57	Respuesta. <i>Revista Espanola De Cardiologia</i> , 2008, 61, 327-328.	0.6	5
58	Persistently high circulating tissue inhibitor of matrix metalloproteinase-1 levels in non-survivor brain trauma injury patients. <i>Journal of Critical Care</i> , 2019, 51, 117-121.	1.0	5
59	Circulating TIMP-1 is associated with hematoma volume in patients with spontaneous intracranial hemorrhage. <i>Scientific Reports</i> , 2020, 10, 10329.	1.6	5
60	Elevated circulating metalloproteinase 7 predicts recurrent cardiovascular events in patients with carotid stenosis: a prospective cohort study. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 93.	0.7	5
61	Molecular and Cellular Mechanisms of Delayed Fracture Healing in <i>Mmp10</i> (Stromelysin 2) Knockout Mice. <i>Journal of Bone and Mineral Research</i> , 2021, 36, 2203-2213.	3.1	5
62	The Bone Regeneration Capacity of BMP-2 + MMP-10 Loaded Scaffolds Depends on the Tissue Status. <i>Pharmaceutics</i> , 2021, 13, 979.	2.0	3
63	Phenotypic Screening To Discover Novel Chemical Series as Efficient Antihemorrhagic Agents. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 428-433.	1.3	2
64	C0288: Lack of TAFI Has Deleterious Effect on Experimental Ischemic Stroke: Potential Role of Microparticles. <i>Thrombosis Research</i> , 2014, 133, S5.	0.8	1
65	Análisis de subpoblaciones monocitarias en relación con los factores de riesgo cardiovascular. <i>Clínica E Investigación En Arteriosclerosis</i> , 2019, 31, 152-159.	0.4	1
66	Matrix Metalloproteinase 10 Contributes to Choroidal Neovascularisation. <i>Biomedicines</i> , 2022, 10, 1557.	1.4	1
67	W03-O-003 Effect of folic acid and vitamin B12 on endothelial function, oxidative stress and prothrombotic factors after renal transplantation. <i>Atherosclerosis Supplements</i> , 2005, 6, 12.	1.2	0
68	W12-P-042 C-reactive protein mediates MMP-1 and MMP-10 expression in human endothelial cells and in patients with atherosclerosis. <i>Atherosclerosis Supplements</i> , 2005, 6, 72.	1.2	0
69	Th-W56:5 MMP-10 (stromelysin-2): New biomarker for clinical and subclinical atherosclerosis. <i>Atherosclerosis Supplements</i> , 2006, 7, 480.	1.2	0
70	PO9-266 VASCULAR MATRIX METALLOPROTEINASE 10 (MMP-10) EXPRESSION IS ASSOCIATED WITH INFLAMMATION AND ATHEROSCLEROSIS DEVELOPMENT IN A MURINE MODEL. <i>Atherosclerosis Supplements</i> , 2007, 8, 83.	1.2	0
71	W43 GENETIC DEFICIENCY IN FUNCTIONAL MMP-10 REDUCES PROGRESSION OF ATHEROSCLEROSIS IN APOLIPOPROTEIN E-KNOCKOUT MICE. <i>Atherosclerosis Supplements</i> , 2010, 11, 9-10.	1.2	0
72	300 IDENTIFICATION OF MATRIX METALLOPROTEASE 10 (MMP10) AS A KEY NEW MEDIATOR OF THE REGENERATIVE RESPONSE OF THE LIVER. <i>Journal of Hepatology</i> , 2013, 58, S126.	1.8	0

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73	CM-352 EFFICACY IN A MOUSE MODEL OF ANTICOAGULANT-ASSOCIATED INTRACRANIAL HAEMORRHAGE. Thrombosis and Haemostasis, 2022, 0, .	1.8	0