Francesco Ramirez

List of Publications by Year
in descending order

52	5,820	159358 30	233125 45
papers	citations	h-index	g-index

52	52	52	5242
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Losartan, an AT1 Antagonist, Prevents Aortic Aneurysm in a Mouse Model of Marfan Syndrome. Science, 2006, 312, 117-121.	6.0	1,591
2	Linkage of Marfan syndrome and a phenotypically related disorder to two different fibrillin genes. Nature, 1991, 352, 330-334.	13.7	676
3	Targetting of the gene encoding fibrillinâ€“1 recapitulates the vascular aspect of Marfan syndrome. Nature Genetics, 1997, 17, 218-222.	9.4	366
4	Fibrillinâ€“2 (FBN2) mutations result in the Marfanâ€“like disorder, congenital contractural arachnodactyly. Nature Genetics, 1995, 11, 456-458.	9.4	276
5	Targeted mutation in the col5a2 gene reveals a regulatory role for type V collagen during matrix assembly. Nature Genetics, 1995, 9, 31-36.	9.4	213
6	Regulation of limb patterning by extracellular microfibrils. Journal of Cell Biology, 2001, 154, 275-282.	2.3	202
7	Extracellular microfibrils: contextual platforms for TGFÎ² and BMP signaling. Current Opinion in Cell Biology, 2009, 21, 616-622.	2.6	196
8	Dimorphic Effects of Transforming Growth Factor-Î² Signaling During Aortic Aneurysm Progression in Mice Suggest a Combinatorial Therapy for Marfan Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 911-917.	1.1	189
9	Fibrillin-1 and -2 differentially modulate endogenous TGF-Î² and BMP bioavailability during bone formation. Journal of Cell Biology, 2010, 190, 1107-1121.	2.3	173
10	Biogenesis and function of fibrillin assemblies. Cell and Tissue Research, 2010, 339, 71-82.	1.5	172
11	Tumor Necrosis Factor Alpha Inhibits Type I Collagen Synthesis through Repressive CCAAT/Enhancer-Binding Proteins. Molecular and Cellular Biology, 2000, 20, 912-918.	1.1	153
12	Latent Transforming Growth Factor Î²-binding Proteins and Fibulins Compete for Fibrillin-1 and Exhibit Exquisite Specificities in Binding Sites. Journal of Biological Chemistry, 2009, 284, 16872-16881.	1.6	146
13	Massive aggrecan and versican accumulation in thoracic aortic aneurysm and dissection. JCI Insight, 2018, 3, .	2.3	118
14	Therapeutics Targeting Drivers of Thoracic Aortic Aneurysms and Acute Aortic Dissections: Insights from Predisposing Genes and Mouse Models. Annual Review of Medicine, 2017, 68, 51-67.	5.0	94
15	p38 MAPK Is an Early Determinant of Promiscuous Smad2/3 Signaling in the Aortas of Fibrillin-1 (Fbn1)-null Mice. Journal of Biological Chemistry, 2009, 284, 5630-5636.	1.6	91
16	Therapies for Thoracic Aortic Aneurysms and Acute Aortic Dissections. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 126-136.	1.1	86
17	Fibrillin-1 and Fibrillin-2 Show Temporal and Tissue-Specific Regulation of Expression in Developing Elastic Tissues. Connective Tissue Research, 1995, 31, 87-97.	1.1	83
18	Developmental expression of the mouse gene coding for the krï¿½ppel-like transcription factor KLF5. , 2000, 217, 421-429.		81

#	Article	IF	Citations
19	Marfan syndrome; A connective tissue disease at the crossroads of mechanotransduction, TGFÎ² signaling and cell stemness. Matrix Biology, 2018, 71-72, 82-89.	1.5	76
20	The human rhabdomyosarcoma cell line A204 lays down a highly insoluble matrix composed mainly of alpha1 type-XI and alpha2 type-V collagen chains. FEBS Journal, 1992, 210, 329-335.	0.2	73
21	Developmental pattern of expression of the mouse Î±1(XI) collagen gene (Col11a1). Developmental Dynamics, 1995, 204, 41-47.	0.8	68
22	Differential effects of alendronate and losartan therapy on osteopenia and aortic aneurysm in mice with severe Marfan syndrome. Human Molecular Genetics, 2010, 19, 4790-4798.	1.4	58
23	Regulation of the Î±2(I) collagen gene transcription in fat-storing cells derived from a cirrhotic liver. Hepatology, 1995, 22, 573-579.	3.6	52
24	The question of heterogeneity in Marfan syndrome. Nature Genetics, 1995, 9, 228-229.	9.4	51
25	The fibrillin-marfan syndrome connection. BioEssays, 1993, 15, 589-594.	1.2	49
26	Marfan Syndrome: New Clues to Genotypeâ€"Phenotype Correlations. Annals of Medicine, 1999, 31, 202-207.	1.5	48
27	Abnormal Activation of BMP Signaling Causes Myopathy in Fbn2 Null Mice. PLoS Genetics, 2015, 11, e1005340.	1.5	47
28	Genetic analysis of the contribution of LTBP-3 to thoracic aneurysm in Marfan syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14012-14017.	3.3	47
29	Cell Typeâ€"Specific Contributions of the Angiotensin II Type 1a Receptor to Aorta Homeostasis and Aneurysmal Diseaseâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 588-591.	1.1	47
30	Localization of pro-Î±2(V) collagen transcripts in the tissues of the developing mouse embryo. Developmental Dynamics, 1992, 195, 113-120.	0.8	41
31	Extracellular Microfibrils in Vertebrate Development and Disease Processes. Journal of Biological Chemistry, 2009, 284, 14677-14681.	1.6	41
32	Fibrillin-1 Regulates Skeletal Stem Cell Differentiation by Modulating TGFÎ² Activity Within the Marrow Niche. Journal of Bone and Mineral Research, 2016, 31, 86-97.	3.1	33
33	Losartan Attenuates Degradation of Aorta and Lung Tissue Micromechanics in a Mouse Model of Severe Marfan Syndrome. Annals of Biomedical Engineering, 2016, 44, 2994-3006.	1.3	29
34	Fibrogenic actions of acetaldehyde are Î²-catenin dependent but Wingless independent: A critical role of nucleoredoxin and reactive oxygen species in human hepatic stellate cells. Free Radical Biology and Medicine, 2013, 65, 1487-1496.	1.3	27
35	Fibrillin microfibrils in bone physiology. Matrix Biology, 2016, 52-54, 191-197.	1.5	27
36	Systems pharmacologyâ€"based integration of human and mouse data for drug repurposing to treat thoracic aneurysms. JCI Insight, 2019, 4, .	2.3	21

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37	Generation of Fbn1 conditional null mice implicates the extracellular microfibrils in osteoprogenitor recruitment. Genesis, 2012, 50, 635-641.	0.8	19
38	Pathophysiology and Therapeutics of Thoracic Aortic Aneurysm in Marfan Syndrome. Biomolecules, 2022, 12, 128.	1.8	14
39	Fibrillin-1 microfibrils influence adult bone marrow hematopoiesis. Matrix Biology, 2016, 52-54, 88-94.	1.5	10
40	The influence of fibrillinâ€1 and physical activity upon tendon tissue morphology and mechanical properties in mice. Physiological Reports, 2019, 7, e14267.	0.7	9
41	Pro-Î±2(V) Collagen Gene; Pairwise Analysis of the Amino-Propeptide Coding Domain, and Cross-Species Comparison of the Promoter Sequence. Connective Tissue Research, 1993, 29, 51-59.	1.1	8
42	Is losartan the drug for all seasons?. Current Opinion in Pharmacology, 2012, 12, 223-224.	1.7	8
43	Inhibition of HIPK2 Alleviates Thoracic Aortic Disease in Mice With Progressively Severe Marfan Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2483-2493.	1.1	4
44	Extracellular Determinants of Arterial Morphogenesis, Growth, and Homeostasis. Current Topics in Developmental Biology, 2018, 130, 193-216.	1.0	3
45	Introduction to the mini-review series â€œExtracellular determinants of cell signalingâ€• Matrix Biology, 2015, 47, 1-2.	1.5	2
46	Fibrillin-1 deficiency in the outer perichondrium causes longitudinal bone overgrowth in mice with Marfan syndrome. Human Molecular Genetics, 2022, 31, 3281-3289.	1.4	2
47	AFM indentation of aorta and lung reveals tissue-specific micromechanical degradation with age in a mouse model of severe Marfan syndrome. , 2015, , .		0
48	Collagen XXIV null mice have osteoporotic bones. FASEB Journal, 2010, 24, 638.1.	0.2	0
49	Inactivation of Fibrillinâ€1 in Vascular Smooth Muscle Cells (VSMCs) but not Endothelial Cells (ECs) replicates Thoracic Aortic Aneurysm (TAA) seen in Marfan Syndrome (MFS). FASEB Journal, 2011, 25, lb463.	0.2	0
50	Collagen XXIV Null Mouse Bones Are Not Osteoporotic Due to an Insufficiency of Osteoblastogenesis Factors. FASEB Journal, 2015, 29, 699.1.	0.2	0
51	AT1R blockade together with AT2R stimulation prevents aortic aneurysm in mice with progressively severe Marfan syndrome. FASEB Journal, 2022, 36, .	0.2	0
52	Endothelial dysfunction drives aneurysm development in Marfan syndrome. FASEB Journal, 2022, 36, .	0.2	0