Maria F Gomez

List of Publications by Year
in descending order

81 papers	5,718 citations	94433 37 h-index	85541 71 g-index
88 all docs	88 docs citations	88 times ranked	9010 citing authors

#	Article	IF	Citations
1	Attributes and predictors of long COVID. Nature Medicine, 2021, 27, 626-631.	30.7	1,613
2	Deletion of the G Protein-Coupled Receptor 30 Impairs Glucose Tolerance, Reduces Bone Growth, Increases Blood Pressure, and Eliminates Estradiol-Stimulated Insulin Release in Female Mice. Endocrinology, 2009, 150, 687-698.	2.8	343
3	Upregulated TRPC1 Channel in Vascular Injury In Vivo and Its Role in Human Neointimal Hyperplasia. Circulation Research, 2006, 98, 557-563.	4.5	195
4	Cholesterol Depletion Impairs Vascular Reactivity to Endothelin-1 by Reducing Store-Operated Ca^{2+} Entry Dependent on TRPC1. Circulation Research, 2003, 93, 839-847.	4.5	193
5	Plasticity of TRPC expression in arterial smooth muscle: correlation with store-operated Ca^{2+} entry. American Journal of Physiology - Cell Physiology, 2005, 288, C872-C880.	4.6	145
6	Systematic study of constitutive cyclooxygenase-2 expression: Role of NF-κB and NFAT transcriptional pathways. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 434-439.	7.1	140
7	Syndecan-4 signaling via NFAT regulates extracellular matrix production and cardiac myofibroblast differentiation in response to mechanical stress. Journal of Molecular and Cellular Cardiology, 2013, 54, 73-81.	1.9	122
8	Symptom clusters in COVID-19: A potential clinical prediction tool from the COVID Symptom Study app. Science Advances, 2021, 7, .	10.3	115
9	NFAT4 Movement in Native Smooth Muscle. Journal of Biological Chemistry, 2001, 276, 15018-15024.	3.4	103
10	Vascular Cellular Adhesion Molecule-1 (VCAM-1) Expression in Mice Retinal Vessels Is Affected by Both Hyperglycemia and Hyperlipidemia. PLoS ONE, 2010, 5, e12699.	2.5	100
11	Complement Component C3 Is Highly Expressed in Human Pancreatic Islets and Prevents β Cell Death via ATG16L1 Interaction and Autophagy Regulation. Cell Metabolism, 2019, 29, 202-210.e6.	16.2	100
12	Molecular Mechanisms of Collagen Isotype-Specific Modulation of Smooth Muscle Cell Phenotype. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 225-231.	2.4	94
13	Modest effects of dietary supplements during the COVID-19 pandemic: insights from 445 850 users of the COVID-19 Symptom Study app. BMJ Nutrition, Prevention and Health, 2021, 4, 149-157.	3.7	91
14	Syndecan-4 is a key determinant of collagen cross-linking and passive myocardial stiffness in the pressure-overloaded heart. Cardiovascular Research, 2015, 106, 217-226.	3.8	87
15	High Glucose Activates Nuclear Factor of Activated T Cells in Native Vascular Smooth Muscle. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 794-800.	2.4	85
16	Pleiotropic Effects of GIP on Islet Function Involve Osteopontin. Diabetes, 2011, 60, 2424-2433.	0.6	83
17	Novel blocker of NFAT activation inhibits IL-6 production in human myometrial arteries and reduces vascular smooth muscle cell proliferation. American Journal of Physiology - Cell Physiology, 2007, 292, C1167-C1178.	4.6	82
18	Opposing Actions of Inositol 1,4,5-Trisphosphate and Ryanodine Receptors on Nuclear Factor of Activated T-cells Regulation in Smooth Muscle. Journal of Biological Chemistry, 2002, 277, 37756-37764.	3.4	81

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19	Link Between GIP and Osteopontin in Adipose Tissue and Insulin Resistance. Diabetes, 2013, 62, 2088-2094.	0.6	75
20	Detecting COVID-19 infection hotspots in England using large-scale self-reported data from a mobile application: a prospective, observational study. Lancet Public Health, The, 2021, 6, e21-e29.	10.0	72
21	NFAT Regulation in Smooth Muscle. Trends in Cardiovascular Medicine, 2003, 13, 56-62.	4.9	71
22	Epigenetic regulation of the thioredoxin-interacting protein (TXNIP) gene by hyperglycemia in kidney. Kidney International, 2016, 89, 342-353.	5.2	70
23	Nuclear Factor of Activated T Cells Regulates Osteopontin Expression in Arterial Smooth Muscle in Response to Diabetes-Induced Hyperglycemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 218-224.	2.4	67
24	Gastric Bypass Improves Î²-Cell Function and Increases Î²-Cell Mass in a Porcine Model. Diabetes, 2014, 63, 1665-1671.	0.6	67
25	Metformin treatment significantly enhances intestinal glucose uptake in patients with type 2 diabetes: Results from a randomized clinical trial. Diabetes Research and Clinical Practice, 2017, 131, 208-216.	2.8	62
26	NFATc3 Regulates Trypsinogen Activation, Neutrophil Recruitment, and Tissue Damage in Acute Pancreatitis in Mice. Gastroenterology, 2012, 143, 1352-1360.e7.	1.3	58
27	Melatonin restores impaired contractility in aged guinea pig urinary bladder. Journal of Pineal Research, 2008, 44, 416-425.	7.4	55
28	Elevated Glucose Levels Promote Contractile and Cytoskeletal Gene Expression in Vascular Smooth Muscle via Rho/Protein Kinase C and Actin Polymerization. Journal of Biological Chemistry, 2016, 291, 3552-3568.	3.4	54
29	Characterization of the Lipid Droplet Proteome of a Clonal Insulin-producing Î²-Cell Line (INS-1 832/13). Journal of Proteome Research, 2012, 11, 1264-1273.	3.7	53
30	The Complement Inhibitor CD59 Regulates Insulin Secretion by Modulating Exocytotic Events. Cell Metabolism, 2014, 19, 883-890.	16.2	53
31	Attenuation of Experimental Atherosclerosis by Interleukin-19. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2316-2324.	2.4	52
32	Constitutively Elevated Nuclear Export Activity Opposes Ca2+-dependent NFATc3 Nuclear Accumulation in Vascular Smooth Muscle. Journal of Biological Chemistry, 2003, 278, 46847-46853.	3.4	47
33	High glucose enhances store-operated calcium entry by upregulating ORAI/STIM via calcineurin-NFAT signalling. Journal of Molecular Medicine, 2015, 93, 511-521.	3.9	45
34	Effects of polyamines on voltage-activated calcium channels in guinea-pig intestinal smooth muscle. Pflugers Archiv European Journal of Physiology, 1995, 430, 501-507.	2.8	41
35	Glucose-Dependent Insulinotropic Polypeptide Stimulates Osteopontin Expression in the Vasculature via Endothelin-1 and CREB. Diabetes, 2016, 65, 239-254.	0.6	41
36	Integrative genomics identifies DSCR1 (RCAN1) as a novel NFAT-dependent mediator of phenotypic modulation in vascular smooth muscle cells. Human Molecular Genetics, 2010, 19, 468-479.	2.9	40

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37	ORAI channels are critical for receptor-mediated endocytosis of albumin. Nature Communications, 2017, 8, 1920.	12.8	39
38	Validation of Plasma Biomarker Candidates for the Prediction of eGFR Decline in Patients With Type 2 Diabetes. Diabetes Care, 2018, 41, 1947-1954.	8.6	36
39	Novel PPARÎ³ Agonists GI 262570, GW 7845, GW 1929, and Pioglitazone Decrease Calcium Channel Function and Myogenic Tone in Rat Mesenteric Arteries. Pharmacology, 2005, 73, 15-22.	2.2	34
40	Inhibition of Nuclear Factor of Activated T-Cells (NFAT) Suppresses Accelerated Atherosclerosis in Diabetic Mice. PLoS ONE, 2013, 8, e65020.	2.5	34
41	Emerging roles of the myocardin family of proteins in lipid and glucose metabolism. Journal of Physiology, 2016, 594, 4741-4752.	2.9	32
42	Effect of Melatonin on Age Associated Changes in Guinea Pig Bladder Function. Journal of Urology, 2007, 177, 1558-1561.	0.4	31
43	Nuclear factor of activated T-cells transcription factors in the vasculature: the good guys or the bad guys?. Current Opinion in Lipidology, 2008, 19, 483-490.	2.7	31
44	Animal Models of Diabetic Macrovascular Complications: Key Players in the Development of New Therapeutic Approaches. Journal of Diabetes Research, 2015, 2015, 1-14.	2.3	30
45	Syndecanâ€4 Protects the Heart From the Profibrotic Effects of Thrombinâ€Cleaved Osteopontin. Journal of the American Heart Association, 2020, 9, e013518.	3.7	30
46	Integrative analysis of prognostic biomarkers derived from multiomics panels helps discrimination of chronic kidney disease trajectories in people with type 2 diabetes. Kidney International, 2019, 96, 1381-1388.	5.2	29
47	Low molecular weight heparin stimulates myometrial contractility and cervical remodeling in vitro. Acta Obstetricia Et Gynecologica Scandinavica, 2009, 88, 984-989.	2.8	27
48	The vascular repair process after injury of the carotid artery is regulated by IL-1RI and MyD88 signalling. Cardiovascular Research, 2011, 91, 350-357.	3.8	27
49	Regulation of Ca2+channel and phosphatase activities by polyamines in intestinal and vascular smooth muscle - implications for cellular growth and contractility. Acta Physiologica Scandinavica, 2002, 176, 33-41.	2.2	24
50	NFAT regulates the expression of AIF-1 and IRT-1: yin and yang splice variants of neointima formation and atherosclerosis. Cardiovascular Research, 2012, 93, 414-423.	3.8	24
51	Regulation of the pro-inflammatory cytokine osteopontin by GIP in adipocytes â€" A role for the transcription factor NFAT and phosphodiesterase 3B. Biochemical and Biophysical Research Communications, 2012, 425, 812-817.	2.1	24
52	Prognostic imaging biomarkers for diabetic kidney disease (iBEAt): study protocol. BMC Nephrology, 2020, 21, 242.	1.8	22
53	Symptoms and syndromes associated with SARS-CoV-2 infection and severity in pregnant women from two community cohorts. Scientific Reports, 2021, 11, 6928.	3.3	22
54	c-Myc Antisense Oligonucleotides Preserve Smooth Muscle Differentiation and Reduce Negative Remodelling following Rat Carotid Arteriotomy. Journal of Vascular Research, 2005, 42, 214-225.	1.4	21

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55	Increased Inflammation in Atherosclerotic Lesions of Diabetic *Akita-LDLr*^{â˜'/â˜'} Mice Compared to Nondiabetic *LDLr*^{â˜'/â˜'} Mice. Experimental Diabetes Research, 2012, 2012, 1-12.	3.8	21
56	Photocoagulation of Human Retinal Pigment Epithelial Cells In Vitro: Evaluation of Necrosis, Apoptosis, Cell Migration, Cell Proliferation and Expression of Tissue Repairing and Cytoprotective Genes. PLoS ONE, 2013, 8, e70465.	2.5	21
57	Nuclear Factor of Activated T Cells Regulates Neutrophil Recruitment, Systemic Inflammation, and T-Cell Dysfunction in Abdominal Sepsis. Infection and Immunity, 2014, 82, 3275-3288.	2.2	21
58	Involvement of the CD1dâ€"Natural Killer T Cell Pathway in Neointima Formation After Vascular Injury. Circulation Research, 2007, 101, e83-9.	4.5	20
59	Glucose-Dependent Insulinotropic Peptide in the High-Normal Range Is Associated With Increased Carotid Intima-Media Thickness. Diabetes Care, 2021, 44, 224-230.	8.6	20
60	Glucose-dependent insulinotropic peptide and risk of cardiovascular events and mortality: a prospective study. Diabetologia, 2020, 63, 1043-1054.	6.3	18
61	Technological readiness and implementation of genomicâ€"driven precision medicine for complex diseases. Journal of Internal Medicine, 2021, 290, 602-620.	6.0	18
62	MicroRNAâ€"dependent regulation of KLF4 by glucose in vascular smooth muscle. Journal of Cellular Physiology, 2018, 233, 7195-7205.	4.1	17
63	Inhibition of NFAT Signaling Restores Microvascular Endothelial Function in Diabetic Mice. Diabetes, 2020, 69, 424-435.	0.6	17
64	App-based COVID-19 syndromic surveillance and prediction of hospital admissions in COVID Symptom Study Sweden. Nature Communications, 2022, 13, 2110.	12.8	17
65	Nuclear Factor of Activated T Cells Is Activated in the Endothelium of Retinal Microvessels in Diabetic Mice. Journal of Diabetes Research, 2015, 2015, 1-14.	2.3	16
66	Individual domains of Tensin2 exhibit distinct subcellular localisations and migratory effects. International Journal of Biochemistry and Cell Biology, 2010, 42, 52-61.	2.8	15
67	Differential actions of exogenous and intracellular spermine on contractile activity in smooth muscle of rat portal vein. Acta Physiologica Scandinavica, 1995, 154, 355-365.	2.2	13
68	Tumor Necrosis Factor-α Does Not Mediate Diabetes-Induced Vascular Inflammation in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1465-1470.	2.4	10
69	Streptococcal M1 protein triggers chemokine formation, neutrophil infiltration, and lung injury in an NFAT-dependent manner. Journal of Leukocyte Biology, 2015, 97, 1003-1010.	3.3	10
70	The impact of Roux-en-Y gastric bypass surgery on normal metabolism in a porcine model. PLoS ONE, 2017, 12, e0173137.	2.5	10
71	Mobilization of Regulatory T Cells in Response to Carotid Injury Does Not Influence Subsequent Neointima Formation. PLoS ONE, 2012, 7, e51556.	2.5	8
72	Endogenous polyamines modulate Ca. Pflugers Archiv European Journal of Physiology, 1999, 438, 445.	2.8	8

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73	Effects of dipeptidyl peptidase 4 inhibition on inflammation in atherosclerosis: A 18F-fluorodeoxyglucose study of a mouse model of atherosclerosis and type 2 diabetes. Atherosclerosis, 2020, 305, 64-72.	0.8	6
74	Osteopontin Affects Insulin Vesicle Localization and Ca2+ Homeostasis in Pancreatic Beta Cells from Female Mice. PLoS ONE, 2017, 12, e0170498.	2.5	6
75	<i>In vivo</i> inhibition of nuclear factor of activated T-cells leads to atherosclerotic plaque regression in IGF-II/LDLR^{â€"/â€"}ApoB^{100/100} mice. Diabetes and Vascular Disease Research, 2018, 15, 302-313.	2.0	5
76	Inhibition of Ca ²⁺ â€¢alcineurin/Nuclear Factor of Activated Tâ€¢ells (NFAT) signaling reduces the expression of TRPC1 but not TRPC6 in vascular smooth muscle. FASEB Journal, 2007, 21, A1243.	0.5	2
77	NFAT inhibition improves microvascular function in a mouse model of chronic diabetes. Atherosclerosis, 2015, 241, e145.	0.8	1
78	HYPERLIPIDEMIA ENHANCES LEUKOCYTE ROLLING IN VIVO BY INVOLVING MYD88-DEPENDENT INNATE IMMUNE PATHWAYS. Atherosclerosis Supplements, 2008, 9, 1.	1.2	0
79	In vivo inhibition of nuclear factor of activated t cells (NFAT) restores microvascular endothelial function in diabetic mice. Atherosclerosis, 2016, 252, e244-e245.	0.8	0
80	The 2019 FASEB Science Research Conference on Smooth Muscle, July 14â€"19, 2019, Palm Beach Florida, USA. FASEB Journal, 2019, 33, 13068-13070.	0.5	0
81	Kv1.3 Channel, a Targetable Piece in the Complex Jigsaw Puzzle of Vascular Calcification?. Function, 2020, 2, zqaa049.	2.3	0