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	App-based COVID-19 syndromic surveillance and prediction of hospital admissions in COVID Symptom Study Sweden. Nature Communications, 2022, 13, 2110.	12.8	17
2	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
3	Symptom clusters in COVID-19: A potential clinical prediction tool from the COVID Symptom Study app. Science Advances, 2021, 7, .	10.3	115
4	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
5	Attributes and predictors of long COVID. Nature Medicine, 2021, 27, 626-631.	30.7	1,613
6	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
7	Technological readiness and implementation of genomicâ€driven precision medicine for complex diseases. Journal of Internal Medicine, 2021, 290, 602-620.	6.0	18
8	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
9	Inhibition of NFAT Signaling Restores Microvascular Endothelial Function in Diabetic Mice. Diabetes, 2020, 69, 424-435.	0.6	17
10	Prognostic imaging biomarkers for diabetic kidney disease (iBEAt): study protocol. BMC Nephrology, 2020, 21, 242.	1.8	22
11	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
12	Glucose-dependent insulinotropic peptide and risk of cardiovascular events and mortality: a prospective study. Diabetologia, 2020, 63, 1043-1054.	6.3	18
13	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
14	Kv1.3 Channel, a Targetable Piece in the Complex Jigsaw Puzzle of Vascular Calcification?. Function, 2020, 2, zqaa049.	2.3	0
15	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
16	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
17	Complement Component C3 Is Highly Expressed in Human Pancreatic Islets and Prevents Î² Cell Death via ATG16L1 Interaction and Autophagy Regulation. Cell Metabolism, 2019, 29, 202-210.e6.	16.2	100
18	In vivo 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

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19	MicroRNAâ€dependent regulation of KLF4 by glucose in vascular smooth muscle. Journal of Cellular Physiology, 2018, 233, 7195-7205.	4.1	17
20	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
21	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
22	ORAI channels are critical for receptor-mediated endocytosis of albumin. Nature Communications, 2017, 8, 1920.	12.8	39
23	Osteopontin Affects Insulin Vesicle Localization and Ca2+ Homeostasis in Pancreatic Beta Cells from Female Mice. PLoS ONE, 2017, 12, e0170498.	2.5	6
24	The impact of Roux-en-Y gastric bypass surgery on normal metabolism in a porcine model. PLoS ONE, 2017, 12, e0173137.	2.5	10
25	Glucose-Dependent Insulinotropic Polypeptide Stimulates Osteopontin Expression in the Vasculature via Endothelin-1 and CREB. Diabetes, 2016, 65, 239-254.	0.6	41
26	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
27	Emerging roles of the myocardin family of proteins in lipid and glucose metabolism. Journal of Physiology, 2016, 594, 4741-4752.	2.9	32
28	Systematic study of constitutive cyclooxygenase-2 expression: Role of NF-Îºb and NFAT transcriptional pathways. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 434-439.	7.1	140
29	Epigenetic regulation of the thioredoxin-interacting protein (TXNIP) gene by hyperglycemia in kidney. Kidney International, 2016, 89, 342-353.	5.2	70
30	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
31	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
32	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
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	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
35	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
36	NFAT inhibition improves microvascular function in a mouse model of chronic diabetes. Atherosclerosis, 2015, 241, e145.	0.8	1

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37	Gastric Bypass Improves Î²-Cell Function and Increases Î²-Cell Mass in a Porcine Model. Diabetes, 2014, 63, 1665-1671.	0.6	67
38	The Complement Inhibitor CD59 Regulates Insulin Secretion by Modulating Exocytotic Events. Cell Metabolism, 2014, 19, 883-890.	16.2	53
39	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
40	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
41	Link Between GIP and Osteopontin in Adipose Tissue and Insulin Resistance. Diabetes, 2013, 62, 2088-2094.	0.6	75
42	Attenuation of Experimental Atherosclerosis by Interleukin-19. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2316-2324.	2.4	52
43	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
44	Inhibition of Nuclear Factor of Activated T-Cells (NFAT) Suppresses Accelerated Atherosclerosis in Diabetic Mice. PLoS ONE, 2013, 8, e65020.	2.5	34
45	Increased Inflammation in Atherosclerotic Lesions of DiabeticAkita-LDLr^{â^'/â^'}Mice Compared to NondiabeticLDLr^{â^'/â^'}Mice. Experimental Diabetes Research, 2012, 2012, 1-12.	3.8	21
46	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
47	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
48	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
49	NFATc3 Regulates Trypsinogen Activation, Neutrophil Recruitment, and Tissue Damage in Acute Pancreatitis in Mice. Gastroenterology, 2012, 143, 1352-1360.e7.	1.3	58
50	Mobilization of Regulatory T Cells in Response to Carotid Injury Does Not Influence Subsequent Neointima Formation. PLoS ONE, 2012, 7, e51556.	2.5	8
51	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
52	Pleiotropic Effects of GIP on Islet Function Involve Osteopontin. Diabetes, 2011, 60, 2424-2433.	0.6	83
53	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
54	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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55	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
56	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
57	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
58	Molecular Mechanisms of Collagen Isotype-Specific Modulation of Smooth Muscle Cell Phenotype. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 225-231.	2.4	94
59	Tumor Necrosis Factor-Î± Does Not Mediate Diabetes-Induced Vascular Inflammation in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1465-1470.	2.4	10
60	Low molecular weight heparin stimulates myometrial contractility and cervical remodeling in vitro. Acta Obstetricia Et Gynecologica Scandinavica, 2009, 88, 984-989.	2.8	27
61	Melatonin restores impaired contractility in aged guinea pig urinary bladder. Journal of Pineal Research, 2008, 44, 416-425.	7.4	55
62	HYPERLIPIDEMIA ENHANCES LEUKOCYTE ROLLING IN VIVO BY INVOLVING MYD88-DEPENDENT INNATE IMMUNE PATHWAYS. Atherosclerosis Supplements, 2008, 9, 1.	1.2	0
63	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
64	Involvement of the CD1dâ€“Natural Killer T Cell Pathway in Neointima Formation After Vascular Injury. Circulation Research, 2007, 101, e83-9.	4.5	20
65	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
66	Effect of Melatonin on Age Associated Changes in Guinea Pig Bladder Function. Journal of Urology, 2007, 177, 1558-1561.	0.4	31
67	Inhibition of Ca ²⁺ â€calcineurin/Nuclear Factor of Activated Tâ€cells (NFAT) signaling reduces the expression of TRPC1 but not TRPC6 in vascular smooth muscle. FASEB Journal, 2007, 21, A1243.	0.5	2
68	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
69	Upregulated TRPC1 Channel in Vascular Injury In Vivo and Its Role in Human Neointimal Hyperplasia. Circulation Research, 2006, 98, 557-563.	4.5	195
70	Plasticity of TRPC expression in arterial smooth muscle: correlation with store-operated Ca²⁺ entry. American Journal of Physiology - Cell Physiology, 2005, 288, C872-C880.	4.6	145
71	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
72	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

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73	NFAT Regulation in Smooth Muscle. Trends in Cardiovascular Medicine, 2003, 13, 56-62.	4.9	71
74	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
75	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
76	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
77	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
78	NFAT4 Movement in Native Smooth Muscle. Journal of Biological Chemistry, 2001, 276, 15018-15024.	3.4	103
79	Endogenous polyamines modulate Ca. Pflugers Archiv European Journal of Physiology, 1999, 438, 445.	2.8	8
80	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
81	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