

# Rossella Menghini

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

8,278  
citations

201385

27  
h-index

128067

60  
g-index

66  
all docs

66  
docs citations

66  
times ranked

18664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	MicroRNA 217 Modulates Endothelial Cell Senescence via Silent Information Regulator 1. <i>Circulation</i> , 2009, 120, 1524-1532.	1.6	438
3	Replacement of a Metabolic Pathway for Large-Scale Production of Lactic Acid from Engineered Yeasts. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4211-4215.	1.4	378
4	Insulin-Dependent Activation of Endothelial Nitric Oxide Synthase Is Impaired by O-Linked Glycosylation Modification of Signaling Proteins in Human Coronary Endothelial Cells. <i>Circulation</i> , 2002, 106, 466-472.	1.6	330
5	miR-146a is modulated in human endothelial cell with aging. <i>Atherosclerosis</i> , 2011, 217, 326-330.	0.4	168
6	Timp3 deficiency in insulin receptor-haploinsufficient mice promotes diabetes and vascular inflammation via increased TNF- $\alpha$ . <i>Journal of Clinical Investigation</i> , 2005, 115, 3494-3505.	3.9	141
7	TIMP3 Is Reduced in Atherosclerotic Plaques From Subjects With Type 2 Diabetes and Increased by SirT1. <i>Diabetes</i> , 2009, 58, 2396-2401.	0.3	132
8	Benfotiamine Counteracts Glucose Toxicity Effects on Endothelial Progenitor Cell Differentiation via Akt/FoxO Signaling. <i>Diabetes</i> , 2006, 55, 2231-2237.	0.3	124
9	MiR-216a: a link between endothelial dysfunction and autophagy. <i>Cell Death and Disease</i> , 2014, 5, e1029-e1029.	2.7	122
10	G972R IRS-1 Variant Impairs Insulin Regulation of Endothelial Nitric Oxide Synthase in Cultured Human Endothelial Cells. <i>Circulation</i> , 2004, 109, 399-405.	1.6	104
11	Mice Heterozygous for Tumor Necrosis Factor- $\alpha$ Converting Enzyme Are Protected From Obesity-Induced Insulin Resistance and Diabetes. <i>Diabetes</i> , 2007, 56, 2541-2546.	0.3	104
12	Tissue Inhibitor of Metalloproteinase 3 Deficiency Causes Hepatic Steatosis and Adipose Tissue Inflammation in Mice. <i>Gastroenterology</i> , 2009, 136, 663-672.e4.	0.6	103
13	MicroRNAs in vascular aging and atherosclerosis. <i>Ageing Research Reviews</i> , 2014, 17, 68-78.	5.0	101
14	The role of ADAM17 in metabolic inflammation. <i>Atherosclerosis</i> , 2013, 228, 12-17.	0.4	89
15	Phosphorylation of GATA2 by Akt Increases Adipose Tissue Differentiation and Reduces Adipose Tissue-Related Inflammation. <i>Circulation</i> , 2005, 111, 1946-1953.	1.6	88
16	Loss of TIMP3 underlies diabetic nephropathy via FoxO1/STAT1 interplay. <i>EMBO Molecular Medicine</i> , 2013, 5, 441-455.	3.3	83
17	Increased tumor necrosis factor $\alpha$ -converting enzyme activity induces insulin resistance and hepatosteatosis in mice. <i>Hepatology</i> , 2010, 51, 103-110.	3.6	80
18	Regulation of TIMP3 in diabetic nephropathy: a role for microRNAs. <i>Acta Diabetologica</i> , 2013, 50, 965-969.	1.2	74

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19	Overexpression of Tissue Inhibitor of Metalloproteinase 3 in Macrophages Reduces Atherosclerosis in Low-Density Lipoprotein Receptor Knockout Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 74-81.	1.1	68
20	TIMP3 Overexpression in Macrophages Protects From Insulin Resistance, Adipose Inflammation, and Nonalcoholic Fatty Liver Disease in Mice. <i>Diabetes</i> , 2012, 61, 454-462.	0.3	66
21	IL-21 Is a Major Negative Regulator of IRF4-Dependent Lipolysis Affecting Tregs in Adipose Tissue and Systemic Insulin Sensitivity. <i>Diabetes</i> , 2014, 63, 2086-2096.	0.3	49
22	Loss of TIMP3 exacerbates atherosclerosis in ApoE null mice. <i>Atherosclerosis</i> , 2014, 235, 438-443.	0.4	46
23	Cross-omics analysis revealed gut microbiome-related metabolic pathways underlying atherosclerosis development after antibiotics treatment. <i>Molecular Metabolism</i> , 2020, 36, 100976.	3.0	46
24	MicroRNAs in Endothelial Senescence and Atherosclerosis. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 924-930.	1.1	45
25	Toll-Like Receptor 4 Mediates Endothelial Cell Activation Through NF- $\kappa$ B but Is Not Associated with Endothelial Dysfunction in Patients with Rheumatoid Arthritis. <i>PLoS ONE</i> , 2014, 9, e99053.	1.1	35
26	Expression of tissue inhibitor of metalloprotease 3 is reduced in ischemic but not neuropathic ulcers from patients with type 2 diabetes mellitus. <i>Acta Diabetologica</i> , 2013, 50, 907-910.	1.2	29
27	A score including ADAM17 substrates correlates to recurring cardiovascular event in subjects with atherosclerosis. <i>Atherosclerosis</i> , 2015, 239, 459-464.	0.4	29
28	Regulation of the expression of the <i>Kluyveromyces lactis</i> PDC1 gene: carbon source-responsive elements and autoregulation. <i>Yeast</i> , 1999, 15, 361-370.	0.8	28
29	Carotid plaque instability is not related to quantity but to elemental composition of calcification. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017, 27, 768-774.	1.1	28
30	C-peptide: A predictor of cardiovascular mortality in subjects with established atherosclerotic disease. <i>Diabetes and Vascular Disease Research</i> , 2017, 14, 395-399.	0.9	27
31	Decreased IRS2 and TIMP3 Expression in Monocytes From Offspring of Type 2 Diabetic Patients Is Correlated With Insulin Resistance and Increased Intima-Media Thickness. <i>Diabetes</i> , 2011, 60, 3265-3270.	0.3	26
32	Hepatocyte specific TIMP3 expression prevents diet dependent fatty liver disease and hepatocellular carcinoma. <i>Scientific Reports</i> , 2017, 7, 6747.	1.6	26
33	MicroRNA 21 is up-regulated in adipose tissue of obese diabetic subjects. <i>Nutrition and Healthy Aging</i> , 2017, 4, 141-145.	0.5	26
34	Transgenic mice overexpressing human G972R IRS1 show impaired insulin action and insulin secretion. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2096-2106.	1.6	25
35	Proteomic and metabolomic characterization of streptozotocin-induced diabetic nephropathy in TIMP3-deficient mice. <i>Acta Diabetologica</i> , 2018, 55, 121-129.	1.2	25
36	Interaction of DIO2 T92A and PPAR $\gamma$ 2 P12A Polymorphisms in the Modulation of Metabolic Syndrome**. <i>Obesity</i> , 2007, 15, 2889-2895.	1.5	24

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37	ITCH Deficiency Protects From Diet-Induced Obesity. <i>Diabetes</i> , 2014, 63, 550-561.	0.3	24
38	FoxO1 regulates asymmetric dimethylarginine via downregulation of dimethylaminohydrolase 1 in human endothelial cells and subjects with atherosclerosis. <i>Atherosclerosis</i> , 2015, 242, 230-235.	0.4	24
39	TIMP3 interplays with apelin to regulate cardiovascular metabolism in hypercholesterolemic mice. <i>Molecular Metabolism</i> , 2015, 4, 741-752.	3.0	23
40	Alterations in Rev-ERB $\beta$ /BMAL1 ratio and glycated hemoglobin in rotating shift workers: the EuRhythDia study. <i>Acta Diabetologica</i> , 2021, 58, 1111-1117.	1.2	22
41	Posttranslational modulation of FoxO1 contributes to cardiac remodeling in post-ischemic heart failure. <i>Atherosclerosis</i> , 2016, 249, 148-156.	0.4	20
42	Soluble ST2 is a biomarker for cardiovascular mortality related to abnormal glucose metabolism in high-risk subjects. <i>Acta Diabetologica</i> , 2019, 56, 273-280.	1.2	19
43	A Role for Timp3 in Microbiota-Driven Hepatic Steatosis and Metabolic Dysfunction. <i>Cell Reports</i> , 2016, 16, 731-743.	2.9	18
44	Metabolic aspects of cardiovascular diseases: Is FoxO1 a player or a target?. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 118, 105659.	1.2	18
45	Chronic Kidney Disease Is Linked to Carotid Nodular Calcification, An Unstable Plaque Not Correlated to Inflammation. , 2019, 10, 71.		14
46	COVID-19-associated Endothelial Dysfunction and Microvascular Injury. <i>Cardiac Electrophysiology Clinics</i> , 2022, 14, 21-28.	0.7	9
47	TIMP3 involvement and potentiality in the diagnosis, prognosis and treatment of diabetic nephropathy. <i>Acta Diabetologica</i> , 2021, 58, 1587-1594.	1.2	8
48	The feeding behaviour of Amyotrophic Lateral Sclerosis mouse models is modulated by the Ca <sup>2+</sup> -activated K <sub>Ca</sub> 3.1 channels. <i>British Journal of Pharmacology</i> , 2021, 178, 4891-4906.	2.7	8
49	Letter to the Editor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 431-432.	1.1	7
50	Restoration of renal TIMP3 levels via genetics and pharmacological approach prevents experimental diabetic nephropathy. <i>Clinical and Translational Medicine</i> , 2021, 11, e305.	1.7	7
51	2-hydroxycaproate predicts cardiovascular mortality in patients with atherosclerotic disease. <i>Atherosclerosis</i> , 2018, 277, 179-185.	0.4	6
52	Timp3 deficiency affects the progression of DEN-related hepatocellular carcinoma during diet-induced obesity in mice. <i>Acta Diabetologica</i> , 2019, 56, 1265-1274.	1.2	6
53	A Serum Resistin and Multicytokine Inflammatory Pathway Is Linked With and Helps Predict All-cause Death in Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4350-e4359.	1.8	5
54	ITCH E3 ubiquitin ligase downregulation compromises hepatic degradation of branched-chain amino acids. <i>Molecular Metabolism</i> , 2022, 59, 101454.	3.0	5

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55	Inhibition of Lysine 63 Ubiquitination Prevents the Progression of Renal Fibrosis in Diabetic DBA/2J Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5194.	1.8	4
56	Enterocyte superoxide dismutase 2 deletion drives obesity. <i>IScience</i> , 2022, 25, 103707.	1.9	4
57	MicroRNA 221/222 cluster kicks out Timp-3 to inflame the liver. <i>EBioMedicine</i> , 2018, 37, 7-8.	2.7	3
58	High Sensitivity C-Reactive Protein Increases the Risk of Carotid Plaque Instability in Male Dyslipidemic Patients. <i>Diagnostics</i> , 2021, 11, 2117.	1.3	3
59	Insulin Resistance Affects Gene Expression in Endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, e7-9.	1.1	2
60	MicroPPARticle in atherosclerosis: Guilty or innocent by-standers?. <i>Atherosclerosis</i> , 2011, 218, 21-22.	0.4	1
61	MicroRNA Manipulation to Boost Endothelial Regeneration: Are We Ready for the Next Steps?. <i>Diabetes</i> , 2019, 68, 268-270.	0.3	1
62	Regulation of the expression of the <i>Kluyveromyces lactis</i> PDC1 gene: carbon source-responsive elements and autoregulation. , 1999, 15, 361.		1
63	Inflammation and macrophage infiltration in adipose tissue: A link between diabetes and atherosclerosis. <i>International Congress Series</i> , 2007, 1303, 23-30.	0.2	0
64	sPLA2: Linking atherosclerosis to aneurysm progression. <i>Atherosclerosis</i> , 2011, 214, 41-42.	0.4	0
65	P0972INHIBITION OF LYSINE63 UBIQUITINATION PREVENTS THE PROGRESSION OF RENAL FIBROSIS IN DIABETIC NEPHROPATHY IN VITRO AND IN VIVO. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, .	0.4	0