Roberto Testa

List of Publications by Year
in descending order

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88	4,727	101543	98798
papers	citations	36 h-index	67 g-index

98	98	98	8100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oscillating Glucose Is More Deleterious to Endothelial Function and Oxidative Stress Than Mean Glucose in Normal and Type 2 Diabetic Patients. Diabetes, 2008, 57, 1349-1354.	0.6	977
2	Diagnostic potential of circulating miR-499-5p in elderly patients with acute non ST-elevation myocardial infarction. International Journal of Cardiology, 2013, 167, 531-536.	1.7	214
3	Inflammageing and metaflammation: The yin and yang of type 2 diabetes. Ageing Research Reviews, 2018, 41, 1-17.	10.9	182
4	The â€œMetabolic Memoryâ€•Theory and the Early Treatment of Hyperglycemia in Prevention of Diabetic Complications. Nutrients, 2017, 9, 437.	4.1	169
5	Antioxidant Anti-Inflammatory Treatment in Type 2 Diabetes. Diabetes Care, 2009, 32, S232-S236.	8.6	145
6	Evidence That Hyperglycemia After Recovery From Hypoglycemia Worsens Endothelial Function and Increases Oxidative Stress and Inflammation in Healthy Control Subjects and Subjects With Type 1 Diabetes. Diabetes, 2012, 61, 2993-2997.	0.6	136
7	Low drug levels and thrombotic complications in highâ€risk atrial fibrillation patients treated with direct oral anticoagulants. Journal of Thrombosis and Haemostasis, 2018, 16, 842-848.	3.8	120
8	The Possible Protective Role of Glucagon-Like Peptide 1 on Endothelium During the Meal and Evidence for an â€œEndothelial Resistanceâ€•to Glucagon-Like Peptide 1 in Diabetes. Diabetes Care, 2011, 34, 697-702.	8.6	119
9	The Possible Role of Flavonoids in the Prevention of Diabetic Complications. Nutrients, 2016, 8, 310.	4.1	111
10	MiR-21-5p and miR-126a-3p levels in plasma and circulating angiogenic cells: relationship with type 2 diabetes complications. Oncotarget, 2015, 6, 35372-35382.	1.8	107
11	Age- and glycemia-related miR-126-3p levels in plasma and endothelial cells. Aging, 2014, 6, 771-786.	3.1	105
12	Short-term sustained hyperglycaemia fosters an archetypal senescence-associated secretory phenotype in endothelial cells and macrophages. Redox Biology, 2018, 15, 170-181.	9.0	102
13	Glucose â€œpeakâ€•and glucose â€œspikeâ€• Impact on endothelial function and oxidative stress. Diabetes Research and Clinical Practice, 2008, 82, 262-267.	2.8	90
14	Semaphorin3A signaling controls Fas (CD95)-mediated apoptosis by promoting Fas translocation into lipid rafts. Blood, 2008, 111, 2290-2299.	1.4	89
15	Leukocyte telomere length is associated with complications of Type 2 diabetes mellitus. Diabetic Medicine, 2011, 28, 1388-1394.	2.3	89
16	Clinical implications of oxidative stress and potential role of natural antioxidants in diabetic vascular complications. Nutrition, Metabolism and Cardiovascular Diseases, 2016, 26, 285-292.	2.6	86
17	Epigenetic mechanisms of endothelial dysfunction in type 2 diabetes. Clinical Epigenetics, 2015, 7, 56.	4.1	83
18	Drug levels and bleeding complications in atrial fibrillation patients treated with direct oral anticoagulants. Journal of Thrombosis and Haemostasis, 2019, 17, 1064-1072.	3.8	83

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19	Leukocyte telomere shortening in elderly Type2DM patients with previous myocardial infarction. Atherosclerosis, 2009, 206, 588-593.	0.8	81
20	N-Glycomic Changes in Serum Proteins in Type 2 Diabetes Mellitus Correlate with Complications and with Metabolic Syndrome Parameters. PLoS ONE, 2015, 10, e0119983.	2.5	81
21	Mitochondrial DNA Backgrounds Might Modulate Diabetes Complications Rather than T2DM as a Whole. PLoS ONE, 2011, 6, e21029.	2.5	74
22	Oscillating glucose induces microRNA-185 and impairs an efficient antioxidant response in human endothelial cells. Cardiovascular Diabetology, 2016, 15, 71.	6.8	66
23	Serum levels of adipocytokines in psoriasis patients receiving tumor necrosis factorâ€‹Î± inhibitors: results of a retrospective analysis. International Journal of Dermatology, 2015, 54, 839-845.	1.0	65
24	Aged-related increase of high sensitive Troponin T and its implication in acute myocardial infarction diagnosis of elderly patients. Mechanisms of Ageing and Development, 2012, 133, 300-305.	4.6	64
25	Simultaneous GLP-1 and Insulin Administration Acutely Enhances Their Vasodilatory, Antiinflammatory, and Antioxidant Action in Type 2 Diabetes. Diabetes Care, 2014, 37, 1938-1943.	8.6	64
26	High-performance liquid chromatographic assay of asymmetric dimethylarginine, symmetric dimethylarginine, and arginine in human plasma by derivatization with naphthalene-2,3-dicarboxaldehyde. Analytical Biochemistry, 2003, 318, 13-17.	2.4	63
27	The 1-year and 3-month prognostic utility of the AST/ALT ratio and model for end-stage liver disease score in patients with viral liver cirrhosis. American Journal of Gastroenterology, 2002, 97, 2855-2860.	0.4	59
28	The protective effect of the Mediterranean diet on endothelial resistance to GLP-1 in type 2 diabetes: a preliminary report. Cardiovascular Diabetology, 2014, 13, 140.	6.8	58
29	Centenarians as super-controls to assess the biological relevance of genetic risk factors for common age-related diseases: A proof of principle on type 2 diabetes. Aging, 2013, 5, 373-385.	3.1	57
30	Interleukin-6â€“174 G>C polymorphism affects the association between IL-6 plasma levels and insulin resistance in type 2 diabetic patients. Diabetes Research and Clinical Practice, 2006, 71, 299-305.	2.8	50
31	Remodelling of biological parameters during human ageing: evidence for complex regulation in longevity and in type 2 diabetes. Age, 2013, 35, 419-429.	3.0	48
32	The dipeptidyl peptidase-4 (DPP-4) inhibitor teneligliptin functions as antioxidant on human endothelial cells exposed to chronic hyperglycemia and metabolic high-glucose memory. Endocrine, 2017, 56, 509-520.	2.3	47
33	Short-term high glucose exposure impairs insulin signaling in endothelial cells. Cardiovascular Diabetology, 2015, 14, 114.	6.8	45
34	Leukocyte telomere length and mortality risk in patients with type 2 diabetes. Oncotarget, 2016, 7, 50835-50844.	1.8	44
35	Hyperglycemia following recovery from hypoglycemia worsens endothelial damage and thrombosis activation in type 1 diabetes and in healthy controls. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 116-123.	2.6	41
36	Lowering Glucose to Prevent Adverse Cardiovascular Outcomes in a Critical Care Setting. Journal of the American College of Cardiology, 2009, 53, S9-S13.	2.8	40

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37	Genes associated with Type 2 Diabetes and vascular complications. Aging, 2018, 10, 178-196.	3.1	37
38	Determination of Plasma Metformin by a New Cation-Exchange HPLC Technique. Therapeutic Drug Monitoring, 1999, 21, 330.	2.0	33
39	Can inclusion of serum creatinine values improve the Child-Turcotte-Pugh score and challenge the prognostic yield of the model for end-stage liver disease score in the short-term prognostic assessment of cirrhotic patients?*. Liver International, 2004, 24, 465-470.	3.9	30
40	The p53 codon 72 (Arg72Pro) polymorphism is associated with the degree of insulin resistance in type 2 diabetic subjects: a cross-sectional study. Acta Diabetologica, 2013, 50, 429-436.	2.5	28
41	Focus on migrants with type 2 diabetes mellitus in European Countries. Internal and Emergency Medicine, 2016, 11, 319-326.	2.0	28
42	Physical Activity Modulates the Overexpression of the Inflammatory miRâ€146aâ€5p in Obese Patients. IUBMB Life, 2018, 70, 1012-1022.	3.4	26
43	Randomized, double-blind, placebo-controlled trial to evaluate the effect of Helicobacter pylori eradication on glucose homeostasis in type 2 diabetic patients. Nutrition, Metabolism and Cardiovascular Diseases, 2016, 26, 893-898.	2.6	24
44	Pathogenetic Loop Between Diabetes and Cell Senescence. Diabetes Care, 2007, 30, 2974-2975.	8.6	22
45	Physical activity and progenitor cell-mediated endothelial repair in chronic heart failure: Is there a role for epigenetics?. Mechanisms of Ageing and Development, 2016, 159, 71-80.	4.6	22
46	Age-related modulation of plasmatic beta-Galactosidase activity in healthy subjects and in patients affected by T2DM. Oncotarget, 2017, 8, 93338-93348.	1.8	21
47	Glycated albumin: correlation to HbA_{1c} and preliminary reference interval evaluation. Clinical Chemistry and Laboratory Medicine, 2017, 55, e31-e33.	2.3	20
48	Chronic renal impairment and DDAH2-1151 A/C polymorphism determine ADMA levels in type 2 diabetic subjects. Nephrology Dialysis Transplantation, 2013, 28, 964-971.	0.7	18
49	Effectiveness of citrate buffer-fluoride mixture in Terumo tubes as an inhibitor of in vitro glycolysis. Biochemia Medica, 2016, 26, 68-76.	2.7	18
50	Relationship between lipoprotein(a) levels, oxidative stress, and blood pressure levels in patients with essential hypertension. Clinical and Experimental Medicine, 2001, 1, 145-150.	3.6	17
51	Platelet nitric oxide production and IR: Relation with obesity and hypertriglyceridemia. Nutrition, Metabolism and Cardiovascular Diseases, 2008, 18, 553-558.	2.6	17
52	Telomere/telomerase system impairment in circulating angiogenic cells of geriatric patients with heart failure. International Journal of Cardiology, 2013, 164, 99-105.	1.7	17
53	Multicenter evaluation of an enzymatic method for glycated albumin. Clinica Chimica Acta, 2017, 469, 81-86.	1.1	17
54	Glycosylated hemoglobin and fructosamines: does their determination really reflect the glycemic control in diabetic patients?. Life Sciences, 1996, 59, 43-49.	4.3	16

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55	Asymptomatic Helicobacter pylori Infection Increases Asymmetric Dimethylarginine Levels in Healthy Subjects. Helicobacter, 2005, 10, 609-614.	3.5	15
56	Evidences of +896 A/G TLR4 Polymorphism as an Indicative of Prevalence of Complications in T2DM Patients. Mediators of Inflammation, 2014, 2014, 1-8.	3.0	15
57	Helicobacter pylorimasks differences in homocysteine plasma levels between controls and type 2 diabetic patients. European Journal of Clinical Investigation, 2002, 32, 158-162.	3.4	14
58	The PON1192RR genotype is associated with a higher prevalence of arterial hypertension. Journal of Hypertension, 2006, 24, 1293-1298.	0.5	13
59	Erythropoietin (EPO) haplotype associated with all-cause mortality in a cohort of Italian patients with Type-2 Diabetes. Scientific Reports, 2019, 9, 10395.	3.3	13
60	The rate of plasmin formation after in vitro clotting is inversely related to lipoprotein(a) plasma levels. International Journal of Clinical and Laboratory Research, 1999, 29, 128-132.	1.0	12
61	A study on the action of vitamin E supplementation on plasminogen activator inhibitor type 1 and platelet nitric oxide production in type 2 diabetic patients. Nutrition, Metabolism and Cardiovascular Diseases, 2008, 18, 15-22.	2.6	12
62	Age-Dependent Changes of Serum Oxygen Radical Scavenger Capacity and Haemoglobin Glycosylation in Non-Insulin-Dependent Diabetic Patients. Gerontology, 2001, 47, 88-92.	2.8	11
63	Plasminogen activator inhibitor-1 plasma level increases with age in subjects with the 4G allele at position -675 in the promoter region. Thrombosis and Haemostasis, 2004, 92, 1164-1165.	3.4	11
64	Longitudinal Modifications of the MELD Score Have Prognostic Meaning in Patients With Liver Cirrhosis. Journal of Clinical Gastroenterology, 2005, 39, 912-914.	2.2	11
65	The Pro/Pro genotype of the p53 codon 72 polymorphism modulates PAI-1 plasma levels in ageing. Mechanisms of Ageing and Development, 2009, 130, 497-500.	4.6	11
66	ZnT8 Arg325Trp polymorphism influences zinc transporter expression and cytokine production in PBMCs from patients with diabetes. Diabetes Research and Clinical Practice, 2018, 144, 102-110.	2.8	11
67	Analytical Performances of an Enzymatic Assay for the Measurement of Glycated Albumin. journal of applied laboratory medicine, The, 2016, 1, 162-171.	1.3	10
68	The pivotal role of high glucose-induced overexpression of PKCÎ² in the appearance of glucagon-like peptide-1 resistance in endothelial cells. Endocrine, 2016, 54, 396-410.	2.3	10
69	Fast, simple and cost-effective determination of thiopental in human plasma by a new HPLC technique. Clinica Chimica Acta, 2001, 305, 41-45.	1.1	9
70	C-reactive protein is directly related to plasminogen activator inhibitor type 1 (PAI-1) levels in diabetic subjects with the 4G allele at position â^'675 of the PAI-1 gene. Nutrition, Metabolism and Cardiovascular Diseases, 2008, 18, 220-226.	2.6	9
71	GLP-1 reduces metalloproteinase-14 and soluble endoglin induced by both hyperglycemia and hypoglycemia in type 1 diabetes. Endocrine, 2015, 50, 508-511.	2.3	9
72	A novel mitochondrial DNA-like sequence insertion polymorphism in Intron I of the FOXO1A gene. Gene, 2004, 327, 215-219.	2.2	8

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73	The simultaneous control of hyperglycemia and GLP-1 infusion normalize endothelial function in type 1 diabetes. Diabetes Research and Clinical Practice, 2016, 114, 64-68.	2.8	8
74	Apolipoprotein E polymorphisms and mortality in Italian Type 2 diabetic patients. European Journal of Clinical Investigation, 2003, 33, 296-300.	3.4	7
75	Mass spectrometry measurement of plasma hepcidin for the prediction of iron overload. Clinical Chemistry and Laboratory Medicine, 2011, 49, 197-206.	2.3	6
76	National survey on the execution of the oral glucose tolerance test (OGTT) in a representative cohort of Italian laboratories. Clinical Chemistry and Laboratory Medicine, 2006, 44, 568-73.	2.3	5
77	Time Is Glucose, Can't Miss Gestational Diabetes. Diabetes Technology and Therapeutics, 2012, 14, 444-446.	4.4	5
78	Correct determination of glycemia in the diagnosis and management of diabetes: Recommendations for the optimization of the pre-analytical phase. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 1-3.	2.6	5
79	In the Light of the Metabolic Memory Theory, Should Not All Aged People with Dysglycemia Be Treated?. Rejuvenation Research, 2010, 13, 599-605.	1.8	4
80	Nutritional imbalances linking cellular senescence and type 2 diabetes mellitus. Current Opinion in Clinical Nutrition and Metabolic Care, 2014, 17, 338-342.	2.5	4
81	Determination of Vanillylmandelic, 5-Hydroxyindoleacetic and Homovanillic Acid in Urine by Isocratic Liquid Chromatography. Clinical Chemistry and Laboratory Medicine, 1997, 35, 57-61.	2.3	3
82	A significant relationship between plasminogen activator inhibitor type-1 and lipoprotein(a) in non-insulin-dependent diabetes mellitus without complications. International Journal of Clinical and Laboratory Research, 1998, 28, 187-191.	1.0	2
83	Critical Role of pH for Derivatization of Homocysteine with Benzofurazanes. Clinical Chemistry, 2001, 47, 2157-2159.	3.2	1
84	Interleukin-6 is a determinant of PAI-1 levels in diabetic subjects with the 4G allele at position -675 of the PAI-1 gene. Thrombosis and Haemostasis, 2006, 95, 587-588.	3.4	1
85	OGTT reproducibility in adults with impaired fasting glucose is nearly 65% with adoption of Italian SIBioC-SIPMeL recommendations. Clinical Chemistry and Laboratory Medicine, 2021, 59, e341-e343.	2.3	1
86	Raccomandazioni per lâ€™autocontrollo della glicemia nel paziente diabetico: sinossi. Rivista Italiana Della Medicina Di Laboratorio, 2014, 10, 122-124.	0.4	0
87	Raccomandazioni per la gestione di variabili preanalitiche legate al paziente nella determinazione del PSA in fase di screening e follow-up di cancro prostatico. Rivista Italiana Della Medicina Di Laboratorio, 2020, 16, .	0.4	0
88	La determinazione dell'insulina nel siero: recenti avanzamenti e criticitÃ ancora da superare. Rivista Italiana Della Medicina Di Laboratorio, 2020, 16, .	0.4	0