

Roberto Testa

List of Publications by Year in descending order

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88
papers

4,727
citations

101384

36
h-index

98622

67
g-index

98
all docs

98
docs citations

98
times ranked

8100
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. <i>Diabetes</i> , 2008, 57, 1349-1354.	0.3	977
2	Diagnostic potential of circulating miR-499-5p in elderly patients with acute non ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2013, 167, 531-536.	0.8	214
3	Inflammageing and metaflammation: The yin and yang of type 2 diabetes. <i>Ageing Research Reviews</i> , 2018, 41, 1-17.	5.0	182
4	The "Metabolic Memory" Theory and the Early Treatment of Hyperglycemia in Prevention of Diabetic Complications. <i>Nutrients</i> , 2017, 9, 437.	1.7	169
5	Antioxidant Anti-Inflammatory Treatment in Type 2 Diabetes. <i>Diabetes Care</i> , 2009, 32, S232-S236.	4.3	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. <i>Diabetes</i> , 2012, 61, 2993-2997.	0.3	136
7	Low drug levels and thrombotic complications in high-risk atrial fibrillation patients treated with direct oral anticoagulants. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 842-848.	1.9	120
8	The Possible Protective Role of Glucagon-Like Peptide 1 on Endothelium During the Meal and Evidence for an "Endothelial Resistance" to Glucagon-Like Peptide 1 in Diabetes. <i>Diabetes Care</i> , 2011, 34, 697-702.	4.3	119
9	The Possible Role of Flavonoids in the Prevention of Diabetic Complications. <i>Nutrients</i> , 2016, 8, 310.	1.7	111
10	MiR-21-5p and miR-126a-3p levels in plasma and circulating angiogenic cells: relationship with type 2 diabetes complications. <i>Oncotarget</i> , 2015, 6, 35372-35382.	0.8	107
11	Age- and glycemia-related miR-126-3p levels in plasma and endothelial cells. <i>Ageing</i> , 2014, 6, 771-786.	1.4	105
12	Short-term sustained hyperglycaemia fosters an archetypal senescence-associated secretory phenotype in endothelial cells and macrophages. <i>Redox Biology</i> , 2018, 15, 170-181.	3.9	102
13	Glucose "peak" and glucose "spike" Impact on endothelial function and oxidative stress. <i>Diabetes Research and Clinical Practice</i> , 2008, 82, 262-267.	1.1	90
14	Semaphorin3A signaling controls Fas (CD95)-mediated apoptosis by promoting Fas translocation into lipid rafts. <i>Blood</i> , 2008, 111, 2290-2299.	0.6	89
15	Leukocyte telomere length is associated with complications of Type 2 diabetes mellitus. <i>Diabetic Medicine</i> , 2011, 28, 1388-1394.	1.2	89
16	Clinical implications of oxidative stress and potential role of natural antioxidants in diabetic vascular complications. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016, 26, 285-292.	1.1	86
17	Epigenetic mechanisms of endothelial dysfunction in type 2 diabetes. <i>Clinical Epigenetics</i> , 2015, 7, 56.	1.8	83
18	Drug levels and bleeding complications in atrial fibrillation patients treated with direct oral anticoagulants. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 1064-1072.	1.9	83

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19	Leukocyte telomere shortening in elderly Type2DM patients with previous myocardial infarction. <i>Atherosclerosis</i> , 2009, 206, 588-593.	0.4	81
20	N-Glycomic Changes in Serum Proteins in Type 2 Diabetes Mellitus Correlate with Complications and with Metabolic Syndrome Parameters. <i>PLoS ONE</i> , 2015, 10, e0119983.	1.1	81
21	Mitochondrial DNA Backgrounds Might Modulate Diabetes Complications Rather than T2DM as a Whole. <i>PLoS ONE</i> , 2011, 6, e21029.	1.1	74
22	Oscillating glucose induces microRNA-185 and impairs an efficient antioxidant response in human endothelial cells. <i>Cardiovascular Diabetology</i> , 2016, 15, 71.	2.7	66
23	Serum levels of adipocytokines in psoriasis patients receiving tumor necrosis factor inhibitors: results of a retrospective analysis. <i>International Journal of Dermatology</i> , 2015, 54, 839-845.	0.5	65
24	Aged-related increase of high sensitive Troponin T and its implication in acute myocardial infarction diagnosis of elderly patients. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 300-305.	2.2	64
25	Simultaneous GLP-1 and Insulin Administration Acutely Enhances Their Vasodilatory, Antiinflammatory, and Antioxidant Action in Type 2 Diabetes. <i>Diabetes Care</i> , 2014, 37, 1938-1943.	4.3	64
26	High-performance liquid chromatographic assay of asymmetric dimethylarginine, symmetric dimethylarginine, and arginine in human plasma by derivatization with naphthalene-2,3-dicarboxaldehyde. <i>Analytical Biochemistry</i> , 2003, 318, 13-17.	1.1	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. <i>American Journal of Gastroenterology</i> , 2002, 97, 2855-2860.	0.2	59
28	The protective effect of the Mediterranean diet on endothelial resistance to GLP-1 in type 2 diabetes: a preliminary report. <i>Cardiovascular Diabetology</i> , 2014, 13, 140.	2.7	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. <i>Aging</i> , 2013, 5, 373-385.	1.4	57
30	Interleukin-6 G>C polymorphism affects the association between IL-6 plasma levels and insulin resistance in type 2 diabetic patients. <i>Diabetes Research and Clinical Practice</i> , 2006, 71, 299-305.	1.1	50
31	Remodelling of biological parameters during human ageing: evidence for complex regulation in longevity and in type 2 diabetes. <i>Age</i> , 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. <i>Endocrine</i> , 2017, 56, 509-520.	1.1	47
33	Short-term high glucose exposure impairs insulin signaling in endothelial cells. <i>Cardiovascular Diabetology</i> , 2015, 14, 114.	2.7	45
34	Leukocyte telomere length and mortality risk in patients with type 2 diabetes. <i>Oncotarget</i> , 2016, 7, 50835-50844.	0.8	44
35	Hyperglycemia following recovery from hypoglycemia worsens endothelial damage and thrombosis activation in type 1 diabetes and in healthy controls. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 116-123.	1.1	41
36	Lowering Glucose to Prevent Adverse Cardiovascular Outcomes in a Critical Care Setting. <i>Journal of the American College of Cardiology</i> , 2009, 53, S9-S13.	1.2	40

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37	Genes associated with Type 2 Diabetes and vascular complications. <i>Aging</i> , 2018, 10, 178-196.	1.4	37
38	Determination of Plasma Metformin by a New Cation-Exchange HPLC Technique. <i>Therapeutic Drug Monitoring</i> , 1999, 21, 330.	1.0	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?*. <i>Liver International</i> , 2004, 24, 465-470.	1.9	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. <i>Acta Diabetologica</i> , 2013, 50, 429-436.	1.2	28
41	Focus on migrants with type 2 diabetes mellitus in European Countries. <i>Internal and Emergency Medicine</i> , 2016, 11, 319-326.	1.0	28
42	Physical Activity Modulates the Overexpression of the Inflammatory miR-146a-5p in Obese Patients. <i>IUBMB Life</i> , 2018, 70, 1012-1022.	1.5	26
43	Randomized, double-blind, placebo-controlled trial to evaluate the effect of Helicobacter pylori eradication on glucose homeostasis in type 2 diabetic patients. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016, 26, 893-898.	1.1	24
44	Pathogenetic Loop Between Diabetes and Cell Senescence. <i>Diabetes Care</i> , 2007, 30, 2974-2975.	4.3	22
45	Physical activity and progenitor cell-mediated endothelial repair in chronic heart failure: Is there a role for epigenetics?. <i>Mechanisms of Ageing and Development</i> , 2016, 159, 71-80.	2.2	22
46	Age-related modulation of plasmatic beta-Galactosidase activity in healthy subjects and in patients affected by T2DM. <i>Oncotarget</i> , 2017, 8, 93338-93348.	0.8	21
47	Glycated albumin: correlation to HbA _{1c} and preliminary reference interval evaluation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, e31-e33.	1.4	20
48	Chronic renal impairment and DDAH2-1151 A/C polymorphism determine ADMA levels in type 2 diabetic subjects. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 964-971.	0.4	18
49	Effectiveness of citrate buffer-fluoride mixture in Terumo tubes as an inhibitor of in vitro glycolysis. <i>Biochimica Medica</i> , 2016, 26, 68-76.	1.2	18
50	Relationship between lipoprotein(a) levels, oxidative stress, and blood pressure levels in patients with essential hypertension. <i>Clinical and Experimental Medicine</i> , 2001, 1, 145-150.	1.9	17
51	Platelet nitric oxide production and IR: Relation with obesity and hypertriglyceridemia. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 553-558.	1.1	17
52	Telomere/telomerase system impairment in circulating angiogenic cells of geriatric patients with heart failure. <i>International Journal of Cardiology</i> , 2013, 164, 99-105.	0.8	17
53	Multicenter evaluation of an enzymatic method for glycated albumin. <i>Clinica Chimica Acta</i> , 2017, 469, 81-86.	0.5	17
54	Glycosylated hemoglobin and fructosamines: does their determination really reflect the glycemic control in diabetic patients?. <i>Life Sciences</i> , 1996, 59, 43-49.	2.0	16

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55	Asymptomatic <i>Helicobacter pylori</i> Infection Increases Asymmetric Dimethylarginine Levels in Healthy Subjects. <i>Helicobacter</i> , 2005, 10, 609-614.	1.6	15
56	Evidences of +896 A/G TLR4 Polymorphism as an Indicative of Prevalence of Complications in T2DM Patients. <i>Mediators of Inflammation</i> , 2014, 2014, 1-8.	1.4	15
57	<i>Helicobacter pylori</i> masks differences in homocysteine plasma levels between controls and type 2 diabetic patients. <i>European Journal of Clinical Investigation</i> , 2002, 32, 158-162.	1.7	14
58	The PON1192RR genotype is associated with a higher prevalence of arterial hypertension. <i>Journal of Hypertension</i> , 2006, 24, 1293-1298.	0.3	13
59	Erythropoietin (EPO) haplotype associated with all-cause mortality in a cohort of Italian patients with Type-2 Diabetes. <i>Scientific Reports</i> , 2019, 9, 10395.	1.6	13
60	The rate of plasmin formation after in vitro clotting is inversely related to lipoprotein(a) plasma levels. <i>International Journal of Clinical and Laboratory Research</i> , 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. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 15-22.	1.1	12
62	Age-Dependent Changes of Serum Oxygen Radical Scavenger Capacity and Haemoglobin Glycosylation in Non-Insulin-Dependent Diabetic Patients. <i>Gerontology</i> , 2001, 47, 88-92.	1.4	11
63	Plasminogen activator inhibitor-1 plasma level increases with age in subjects with the 4G allele at position -675 in the promoter region. <i>Thrombosis and Haemostasis</i> , 2004, 92, 1164-1165.	1.8	11
64	Longitudinal Modifications of the MELD Score Have Prognostic Meaning in Patients With Liver Cirrhosis. <i>Journal of Clinical Gastroenterology</i> , 2005, 39, 912-914.	1.1	11
65	The Pro/Pro genotype of the p53 codon 72 polymorphism modulates PAI-1 plasma levels in ageing. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 497-500.	2.2	11
66	ZnT8 Arg325Trp polymorphism influences zinc transporter expression and cytokine production in PBMCs from patients with diabetes. <i>Diabetes Research and Clinical Practice</i> , 2018, 144, 102-110.	1.1	11
67	Analytical Performances of an Enzymatic Assay for the Measurement of Glycated Albumin. <i>Journal of Applied Laboratory Medicine</i> , 2016, 1, 162-171.	0.6	10
68	The pivotal role of high glucose-induced overexpression of PKC δ in the appearance of glucagon-like peptide-1 resistance in endothelial cells. <i>Endocrine</i> , 2016, 54, 396-410.	1.1	10
69	Fast, simple and cost-effective determination of thiopental in human plasma by a new HPLC technique. <i>Clinica Chimica Acta</i> , 2001, 305, 41-45.	0.5	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 -675 of the PAI-1 gene. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 220-226.	1.1	9
71	GLP-1 reduces metalloproteinase-14 and soluble endoglin induced by both hyperglycemia and hypoglycemia in type 1 diabetes. <i>Endocrine</i> , 2015, 50, 508-511.	1.1	9
72	A novel mitochondrial DNA-like sequence insertion polymorphism in Intron I of the FOXO1A gene. <i>Gene</i> , 2004, 327, 215-219.	1.0	8

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73	The simultaneous control of hyperglycemia and GLP-1 infusion normalize endothelial function in type 1 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2016, 114, 64-68.	1.1	8
74	Apolipoprotein E polymorphisms and mortality in Italian Type 2 diabetic patients. <i>European Journal of Clinical Investigation</i> , 2003, 33, 296-300.	1.7	7
75	Mass spectrometry measurement of plasma hepcidin for the prediction of iron overload. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 197-206.	1.4	6
76	National survey on the execution of the oral glucose tolerance test (OGTT) in a representative cohort of Italian laboratories. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006, 44, 568-73.	1.4	5
77	Time Is Glucose, Can't Miss Gestational Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2012, 14, 444-446.	2.4	5
78	Correct determination of glycemia in the diagnosis and management of diabetes: Recommendations for the optimization of the pre-analytical phase. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2019, 29, 1-3.	1.1	5
79	In the Light of the Metabolic Memory Theory, Should Not All Aged People with Dysglycemia Be Treated?. <i>Rejuvenation Research</i> , 2010, 13, 599-605.	0.9	4
80	Nutritional imbalances linking cellular senescence and type 2 diabetes mellitus. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2014, 17, 338-342.	1.3	4
81	Determination of Vanillylmandelic, 5-Hydroxyindoleacetic and Homovanillic Acid in Urine by Isocratic Liquid Chromatography. <i>Clinical Chemistry and Laboratory Medicine</i> , 1997, 35, 57-61.	1.4	3
82	A significant relationship between plasminogen activator inhibitor type-1 and lipoprotein(a) in non-insulin-dependent diabetes mellitus without complications. <i>International Journal of Clinical and Laboratory Research</i> , 1998, 28, 187-191.	1.0	2
83	Critical Role of pH for Derivatization of Homocysteine with Benzofurazanes. <i>Clinical Chemistry</i> , 2001, 47, 2157-2159.	1.5	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. <i>Thrombosis and Haemostasis</i> , 2006, 95, 587-588.	1.8	1
85	OGTT reproducibility in adults with impaired fasting glucose is nearly 65% with adoption of Italian SIBioC-SIPMeL recommendations. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, e341-e343.	1.4	1
86	Raccomandazioni per lâ€™ TM autocontrollo della glicemia nel paziente diabetico: sinossi. <i>Rivista Italiana Della Medicina Di Laboratorio</i> , 2014, 10, 122-124.	0.2	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. <i>Rivista Italiana Della Medicina Di Laboratorio</i> , 2020, 16, .	0.2	0
88	La determinazione dell'insulina nel siero: recenti avanzamenti e criticitÃ ancora da superare. <i>Rivista Italiana Della Medicina Di Laboratorio</i> , 2020, 16, .	0.2	0