

Salvatore Piro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

3,034
citations

27
h-index

53
g-index

97
ext. papers

3,539
ext. citations

4.3
avg, IF

4.59
L-index

#	Paper	IF	Citations
90	Prolonged exposure to free fatty acids has cytostatic and pro-apoptotic effects on human pancreatic islets: evidence that beta-cell death is caspase mediated, partially dependent on ceramide pathway, and Bcl-2 regulated. <i>Diabetes</i> , 2002 , 51, 1437-42	0.9	501
89	Functional and morphological alterations of mitochondria in pancreatic beta cells from type 2 diabetic patients. <i>Diabetologia</i> , 2005 , 48, 282-9	10.3	260
88	Effects of n-3 polyunsaturated fatty acids in subjects with nonalcoholic fatty liver disease. <i>Digestive and Liver Disease</i> , 2008 , 40, 194-9	3.3	209
87	Chronic exposure to free fatty acids or high glucose induces apoptosis in rat pancreatic islets: possible role of oxidative stress. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 1340-7	12.7	194
86	Role of ATP production and uncoupling protein-2 in the insulin secretory defect induced by chronic exposure to high glucose or free fatty acids and effects of peroxisome proliferator-activated receptor-gamma inhibition. <i>Diabetes</i> , 2002 , 51, 2749-56	0.9	142
85	Lipotoxicity in human pancreatic islets and the protective effect of metformin. <i>Diabetes</i> , 2002 , 51 Suppl 1, S134-7	0.9	130
84	Metformin restores insulin secretion altered by chronic exposure to free fatty acids or high glucose: a direct metformin effect on pancreatic beta-cells. <i>Diabetes</i> , 2000 , 49, 735-40	0.9	117
83	Insulin secretory function is impaired in isolated human islets carrying the Gly(972)-->Arg IRS-1 polymorphism. <i>Diabetes</i> , 2002 , 51, 1419-24	0.9	96
82	Pathophysiological, Molecular and Therapeutic Issues of Nonalcoholic Fatty Liver Disease: An Overview. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	72
81	Cellular and molecular effects of protons: apoptosis induction and potential implications for cancer therapy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006 , 11, 57-66	5.4	66
80	Assessment of adrenocortical reserve in stable patients with cirrhosis. <i>Journal of Hepatology</i> , 2011 , 54, 243-50	13.4	54
79	Cardiovascular risk profile in subjects with prediabetes and new-onset type 2 diabetes identified by HbA(1c) according to American Diabetes Association criteria. <i>Diabetes Care</i> , 2014 , 37, 1447-53	14.6	49
78	High intake of dietary advanced glycation end-products is associated with increased arterial stiffness and inflammation in subjects with type 2 diabetes. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017 , 27, 978-984	4.5	46
77	Th2 cytokines have a partial, direct protective effect on the function and survival of isolated human islets exposed to combined proinflammatory and Th1 cytokines. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 4974-8	5.6	43
76	Atorvastatin but Not Pravastatin Impairs Mitochondrial Function in Human Pancreatic Islets and Rat ECells. Direct Effect of Oxidative Stress. <i>Scientific Reports</i> , 2017 , 7, 11863	4.9	41
75	miR-296-3p, miR-298-5p and their downstream networks are causally involved in the higher resistance of mammalian pancreatic β cells to cytokine-induced apoptosis as compared to α cells. <i>BMC Genomics</i> , 2013 , 14, 62	4.5	40
74	Type 2 diabetes susceptibility gene expression in normal or diabetic sorted human alpha and beta cells: correlations with age or BMI of islet donors. <i>PLoS ONE</i> , 2010 , 5, e11053	3.7	39

73	Serum coding and non-coding RNAs as biomarkers of NAFLD and fibrosis severity. <i>Liver International</i> , 2019 , 39, 1742-1754	7.9	37
72	HbA1c Identifies Subjects With Prediabetes and Subclinical Left Ventricular Diastolic Dysfunction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 3756-3764	5.6	34
71	Palmitate affects insulin receptor phosphorylation and intracellular insulin signal in a pancreatic alpha-cell line. <i>Endocrinology</i> , 2010 , 151, 4197-206	4.8	33
70	ENPP1 affects insulin action and secretion: evidences from in vitro studies. <i>PLoS ONE</i> , 2011 , 6, e19462	3.7	32
69	Low Endogenous Secretory Receptor for Advanced Glycation End-Products Levels Are Associated With Inflammation and Carotid Atherosclerosis in Prediabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 1701-9	5.6	29
68	Direct apoptotic effects of free Fatty acids on human endothelial cells. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008 , 18, 96-104	4.5	29
67	New treatment options for lipid-lowering therapy in subjects with type 2 diabetes. <i>Acta Diabetologica</i> , 2018 , 55, 209-218	3.9	28
66	Therapeutic options for elderly diabetic subjects: open label, randomized clinical trial of insulin glargine added to oral antidiabetic drugs versus increased dosage of oral antidiabetic drugs. <i>Acta Diabetologica</i> , 2008 , 45, 53-9	3.9	28
65	Lipid and liver abnormalities in haemoglobin A1c-defined prediabetes and type 2 diabetes. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014 , 24, 670-6	4.5	27
64	Discovery of a 1st Century AD Roman Amphitheater and Other Structures at the Forum Novum by GPR. <i>Journal of Environmental and Engineering Geophysics</i> , 2004 , 9, 35-41	1	27
63	The thyroid hormone T3 improves function and survival of rat pancreatic islets during in vitro culture. <i>Islets</i> , 2010 , 2, 96-103	2	26
62	Beta and alpha cell function in metabolically healthy but obese subjects: relationship with entero-insular axis. <i>Obesity</i> , 2013 , 21, 320-5	8	24
61	Glucosamine-induced alterations of mitochondrial function in pancreatic beta-cells: possible role of protein glycosylation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 287, E602-8	6	24
60	Intracellular and extracellular miRNome deregulation in cellular models of NAFLD or NASH: Clinical implications. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016 , 26, 1129-1139	4.5	23
59	Chronic exposure to GLP-1 increases GLP-1 synthesis and release in a pancreatic alpha cell line (BTC1): evidence of a direct effect of GLP-1 on pancreatic alpha cells. <i>PLoS ONE</i> , 2014 , 9, e90093	3.7	23
58	Low circulating vitamin D levels are associated with increased arterial stiffness in prediabetic subjects identified according to HbA1c. <i>Atherosclerosis</i> , 2015 , 243, 395-401	3.1	22
57	Arterial stiffness improvement after adding on PCSK9 inhibitors or ezetimibe to high-intensity statins in patients with familial hypercholesterolemia: A Two-Lipid Center Real-World Experience. <i>Journal of Clinical Lipidology</i> , 2020 , 14, 231-240	4.9	22
56	Alpha- and beta-cell abnormalities in haemoglobin A1c-defined prediabetes and type 2 diabetes. <i>Acta Diabetologica</i> , 2014 , 51, 567-75	3.9	22

55	Low advanced glycation end product diet improves the lipid and inflammatory profiles of prediabetic subjects. <i>Journal of Clinical Lipidology</i> , 2016 , 10, 1098-108	4.9	22
54	Melanosynthesis, differentiation, and apoptosis in Kupffer cells from <i>Rana esculenta</i> . <i>Pigment Cell & Melanoma Research</i> , 2001 , 14, 126-31		21
53	Elevated plasma glucose-dependent insulinotropic polypeptide associates with hyperinsulinemia in metabolic syndrome. <i>European Journal of Endocrinology</i> , 2012 , 166, 917-22	6.5	20
52	Bovine islets are less susceptible than human islets to damage by human cytokines. <i>Transplantation</i> , 2001 , 71, 21-6	1.8	19
51	Exposure to glibenclamide increases rat beta cells sensitivity to glucose. <i>British Journal of Pharmacology</i> , 2000 , 129, 887-92	8.6	19
50	Update on pre-diabetes: Focus on diagnostic criteria and cardiovascular risk. <i>World Journal of Diabetes</i> , 2016 , 7, 423-432	4.7	19
49	An increased waist-to-hip ratio is a key determinant of atherosclerotic burden in overweight subjects. <i>Acta Diabetologica</i> , 2018 , 55, 741-749	3.9	17
48	Altered expression of uncoupling protein 2 in GLP-1-producing cells after chronic high glucose exposure: implications for the pathogenesis of diabetes mellitus. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 310, C558-67	5.4	17
47	Apolipoprotein AI and HDL are reduced in stable cirrhotic patients with adrenal insufficiency: a possible role in glucocorticoid deficiency. <i>Scandinavian Journal of Gastroenterology</i> , 2015 , 50, 347-54	2.4	16
46	1 h Postload Glycemia Is Associated with Low Endogenous Secretory Receptor for Advanced Glycation End Product Levels and Early Markers of Cardiovascular Disease. <i>Cells</i> , 2019 , 8,	7.9	14
45	Molecular determinants of insulin resistance, cell apoptosis and lipid accumulation in non-alcoholic steatohepatitis. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008 , 18, 545-52	4.5	14
44	High TG to HDL ratio plays a significant role on atherosclerosis extension in prediabetes and newly diagnosed type 2 diabetes subjects. <i>Diabetes/Metabolism Research and Reviews</i> , 2021 , 37, e3367	7.5	13
43	Chronic Exposure to Palmitate Impairs Insulin Signaling in an Intestinal L-cell Line: A Possible Shift from GLP-1 to Glucagon Production. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	13
42	Similar effectiveness of dapagliflozin and GLP-1 receptor agonists concerning combined endpoints in routine clinical practice: A multicentre retrospective study. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 1886-1894	6.7	12
41	Detecting familial hypercholesterolemia by serum lipid profile screening in a hospital setting: Clinical, genetic and atherosclerotic burden profile. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018 , 28, 35-43	4.5	12
40	CEBPA exerts a specific and biologically important proapoptotic role in pancreatic β cells through its downstream network targets. <i>Molecular Biology of the Cell</i> , 2014 , 25, 2333-41	3.5	12
39	Analysis of HDL-microRNA panel in heterozygous familial hypercholesterolemia subjects with LDL receptor null or defective mutation. <i>Scientific Reports</i> , 2019 , 9, 20354	4.9	12
38	May statins and PCSK9 inhibitors be protective from COVID-19 in familial hypercholesterolemia subjects?. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 1068-1069	4.5	11

37	Hepatic insulin resistance in NAFLD: relationship with markers of atherosclerosis and metabolic syndrome components. <i>Acta Diabetologica</i> , 2016 , 53, 449-59	3.9	11
36	Early phase insulin secretion is increased in subjects with normal fasting glucose and metabolic syndrome: a premature feature of beta-cell dysfunction. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2011 , 21, 206-12	4.5	11
35	Multimethodological approach to investigate chamber tombs in the Sabine Necropolis at Colle del Forno (CNR, Rome, Italy). <i>Archaeological Prospection</i> , 2009 , 16, 111-124	1.8	11
34	Circulating Coding and Long Non-Coding RNAs as Potential Biomarkers of Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
33	Inflammation and ventricular-vascular coupling in hypertensive patients with metabolic syndrome. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018 , 28, 1222-1229	4.5	10
32	Analysis of steatosis biomarkers and inflammatory profile after adding on PCSK9 inhibitor treatment in familial hypercholesterolemia subjects with nonalcoholic fatty liver disease: A single lipid center real-world experience. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 869-879	4.5	9
31	GPR Archaeometry 2009 , 479-508		8
30	Analysis of S100A12 plasma levels in hyperlipidemic subjects with or without familial hypercholesterolemia. <i>Acta Diabetologica</i> , 2019 , 56, 899-906	3.9	7
29	Pattern of comorbidities and 1-year mortality in elderly patients with COPD hospitalized in internal medicine wards: data from the RePoSI Registry. <i>Internal and Emergency Medicine</i> , 2021 , 16, 389-400	3.7	7
28	738 Omega-3 polyunsaturated fatty acids: A pilot trial in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2006 , 44, S264	13.4	6
27	Proprotein Convertase Subtilisin Kexin Type 9 Inhibitors Reduce Platelet Activation Modulating ox-LDL Pathways. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
26	Archaeological Fieldwork Reports: The Lateran Project. <i>Papers of the British School at Rome</i> , 2012 , 80, 369-371	0.1	5
25	Hospital Care of Older Patients With COPD: Adherence to International Guidelines for Use of Inhaled Bronchodilators and Corticosteroids. <i>Journal of the American Medical Directors Association</i> , 2019 , 20, 1313-1317.e9	5.9	4
24	Impaired glucagon suppression and reduced insulin sensitivity in subjects with prediabetes undergoing atorvastatin therapy. <i>European Journal of Endocrinology</i> , 2019 , 181, 579-590	6.5	4
23	Clinical and Molecular Biomarkers for Diagnosis and Staging of NAFLD. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
22	Direct Effects of D-Chiro-Inositol on Insulin Signaling and Glucagon Secretion of Pancreatic Alpha Cells. <i>Biomolecules</i> , 2020 , 10,	5.9	4
21	Management of type 2 diabetes for prevention of cardiovascular disease. An expert opinion of the Italian Diabetes Society. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 1926-1936	4.5	4
20	Analysis of Arterial Stiffness and Sexual Function after Adding on PCSK9 Inhibitor Treatment in Male Patients with Familial Hypercholesterolemia: A Single Lipid Center Real-World Experience. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4

19	Thyroid Cancer and Circadian Clock Disruption. <i>Cancers</i> , 2020 , 12,	6.6	4
18	Sarcopenia and Appendicular Muscle Mass as Predictors of Impaired Fasting Glucose/Type 2 Diabetes in Elderly Women. <i>Nutrients</i> , 2021 , 13,	6.7	4
17	Beneficial effects of glucagon-like peptide 1 receptor agonists on glucose control, cardiovascular risk profile, and non-alcoholic fatty liver disease. An expert opinion of the Italian diabetes society. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 3257-3270	4.5	4
16	Glucotoxicity and lipotoxicity in the beta cell. <i>International Congress Series</i> , 2003 , 1253, 115-121		3
15	Coffee Restores Expression of lncRNAs Involved in Steatosis and Fibrosis in a Mouse Model of NAFLD. <i>Nutrients</i> , 2021 , 13,	6.7	3
14	Diabetes increases renovascular impedance in patients with liver cirrhosis. <i>Internal and Emergency Medicine</i> , 2015 , 10, 703-9	3.7	2
13	Candidate genes of SARS-CoV-2 gender susceptibility. <i>Scientific Reports</i> , 2021 , 11, 21968	4.9	2
12	Hexokinase shift to mitochondria is associated with an increased sensitivity to glucose in rat pancreatic islets. <i>Diabetes</i> , 1997 , 46, 1148-1152	0.9	2
11	Effect of PCSK9 inhibitors on pulse wave velocity and monocyte-to-HDL-cholesterol ratio in familial hypercholesterolemia subjects: results from a single-lipid-unit real-life setting. <i>Acta Diabetologica</i> , 2021 , 58, 949-957	3.9	2
10	Hyperglycemia at admission, comorbidities, and in-hospital mortality in elderly patients hospitalized in internal medicine wards: data from the RePoSI Registry. <i>Acta Diabetologica</i> , 2021 , 58, 1225-1236	3.9	2
9	High Glucose Exposure Impairs L-Cell Differentiation in Intestinal Organoids: Molecular Mechanisms and Clinical Implications. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
8	High glomerular filtration rate is associated with impaired arterial stiffness and subendocardial viability ratio in prediabetic subjects. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 3393-3400	4.5	2
7	Prevalence of use and appropriateness of antidepressants prescription in acutely hospitalized elderly patients. <i>European Journal of Internal Medicine</i> , 2019 , 68, e7-e11	3.9	1
6	Impact of high neutrophil-to-lymphocyte ratio on the cardiovascular benefit of PCSK9 inhibitors in familial hypercholesterolemia subjects with atherosclerotic cardiovascular disease: Real-world data from two lipid units. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 3401-3406	4.5	1
5	PCSK9 Plasma Levels Are Associated with Mechanical Vascular Impairment in Familial Hypercholesterolemia Subjects without a History of Atherosclerotic Cardiovascular Disease: Results of Six-Month Add-On PCSK9 Inhibitor Therapy.. <i>Biomolecules</i> , 2022 , 12,	5.9	1
4	Increased Platelet Reactivity and Proinflammatory Profile Are Associated with IntimaMedia Thickness and Arterial Stiffness in Prediabetes. <i>Journal of Clinical Medicine</i> , 2022 , 11, 2870	5.1	1
3	The multifaceted spectrum of liver cirrhosis in older hospitalised patients: analysis of the REPOSI registry. <i>Age and Ageing</i> , 2021 , 50, 498-504	3	0
2	The Endocrine Pancreas. <i>Endocrinology</i> , 2018 , 423-454	0.1	

1 The Endocrine Pancreas. *Endocrinology*, **2016**, 1-32

0.1