

# Salvatore Piro

## List of Publications by Year in descending order

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96  
papers

4,033  
citations

147566

31  
h-index

128067

60  
g-index

98  
all docs

98  
docs citations

98  
times ranked

5383  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1437-1442.	0.3	547
2	Functional and morphological alterations of mitochondria in pancreatic beta cells from type 2 diabetic patients. <i>Diabetologia</i> , 2005, 48, 282-289.	2.9	322
3	Effects of n-3 polyunsaturated fatty acids in subjects with nonalcoholic fatty liver disease. <i>Digestive and Liver Disease</i> , 2008, 40, 194-199.	0.4	254
4	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, 1340-1347.	1.5	221
5	Lipotoxicity in Human Pancreatic Islets and the Protective Effect of Metformin. <i>Diabetes</i> , 2002, 51, S134-S137.	0.3	155
6	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- $\alpha$ Inhibition. <i>Diabetes</i> , 2002, 51, 2749-2756.	0.3	153
7	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, 735-740.	0.3	145
8	Pathophysiological, Molecular and Therapeutic Issues of Nonalcoholic Fatty Liver Disease: An Overview. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1948.	1.8	127
9	Insulin Secretory Function Is Impaired in Isolated Human Islets Carrying the Gly972->Arg IRS-1 Polymorphism. <i>Diabetes</i> , 2002, 51, 1419-1424.	0.3	103
10	Assessment of adrenocortical reserve in stable patients with cirrhosis. <i>Journal of Hepatology</i> , 2011, 54, 243-250.	1.8	75
11	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.	2.2	73
12	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.	1.1	65
13	Atorvastatin but Not Pravastatin Impairs Mitochondrial Function in Human Pancreatic Islets and Rat $\beta$ -Cells. Direct Effect of Oxidative Stress. <i>Scientific Reports</i> , 2017, 7, 11863.	1.6	59
14	Cardiovascular Risk Profile in Subjects With Prediabetes and New-Onset Type 2 Diabetes Identified by HbA1c According to American Diabetes Association Criteria. <i>Diabetes Care</i> , 2014, 37, 1447-1453.	4.3	57
15	Serum coding and non-coding RNAs as biomarkers of NAFLD and fibrosis severity. <i>Liver International</i> , 2019, 39, 1742-1754.	1.9	51
16	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, 4974-4978.	1.8	49
17	miR-296-3p, miR-298-5p and their downstream networks are causally involved in the higher resistance of mammalian pancreatic $\beta$ cells to cytokine-induced apoptosis as compared to $\beta$ cells. <i>BMC Genomics</i> , 2013, 14, 62.	1.2	48
18	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.	1.1	47

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19	HbA1c Identifies Subjects With Prediabetes and Subclinical Left Ventricular Diastolic Dysfunction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3756-3764.	1.8	44
20	High <sc>TG</sc> to <sc>HDL</sc> 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.	1.7	44
21	Palmitate Affects Insulin Receptor Phosphorylation and Intracellular Insulin Signal in a Pancreatic $\beta$ -Cell Line. <i>Endocrinology</i> , 2010, 151, 4197-4206.	1.4	41
22	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.	1.0	40
23	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, 1701-1709.	1.8	40
24	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, 53-59.	1.2	38
25	Direct apoptotic effects of free fatty acids on human endothelial cells. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 96-104.	1.1	38
26	ENPP1 Affects Insulin Action and Secretion: Evidences from In Vitro Studies. <i>PLoS ONE</i> , 2011, 6, e19462.	1.1	38
27	Chronic Exposure to GLP-1 Increases GLP-1 Synthesis and Release in a Pancreatic Alpha Cell Line ( $\beta$ -TC1): Evidence of a Direct Effect of GLP-1 on Pancreatic Alpha Cells. <i>PLoS ONE</i> , 2014, 9, e90093.	1.1	38
28	The thyroid hormone T3 improves function and survival of rat pancreatic islets during in vitro culture. <i>Islets</i> , 2010, 2, 96-103.	0.9	35
29	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.	0.6	35
30	Lipid and liver abnormalities in haemoglobin A1c-defined prediabetes and type 2 diabetes. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 670-676.	1.1	34
31	Clinical and Molecular Biomarkers for Diagnosis and Staging of NAFLD. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11905.	1.8	34
32	Low advanced glycation end product diet improves the lipid and inflammatory profiles of prediabetic subjects. <i>Journal of Clinical Lipidology</i> , 2016, 10, 1098-1108.	0.6	32
33	New treatment options for lipid-lowering therapy in subjects with type 2 diabetes. <i>Acta Diabetologica</i> , 2018, 55, 209-218.	1.2	32
34	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.	1.1	31
35	An increased waist-to-hip ratio is a key determinant of atherosclerotic burden in overweight subjects. <i>Acta Diabetologica</i> , 2018, 55, 741-749.	1.2	30
36	Beta and alpha cell function in metabolically healthy but obese subjects: Relationship with entero-€nsular axis. <i>Obesity</i> , 2013, 21, 320-325.	1.5	27

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37	Alpha- and beta-cell abnormalities in haemoglobin A1c-defined prediabetes and type 2 diabetes. <i>Acta Diabetologica</i> , 2014, 51, 567-575.	1.2	27
38	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, 910.	1.8	27
39	Melanosynthesis, Differentiation, and Apoptosis in Kupffer Cells from <i>Rana esculenta</i> . <i>Pigment Cell &amp; Melanoma Research</i> , 2001, 14, 126-131.	4.0	26
40	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-E608.	1.8	26
41	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.	0.4	26
42	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, 3791.	1.8	26
43	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.	1.1	26
44	Proprotein Convertase Subtilisin Kexin Type 9 Inhibitors Reduce Platelet Activation Modulating ox-LDL Pathways. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7193.	1.8	26
45	BOVINE ISLETS ARE LESS SUSCEPTIBLE THAN HUMAN ISLETS TO DAMAGE BY HUMAN CYTOKINES1. <i>Transplantation</i> , 2001, 71, 21-26.	0.5	25
46	Elevated plasma glucose-dependent insulinotropic polypeptide associates with hyperinsulinemia in metabolic syndrome. <i>European Journal of Endocrinology</i> , 2012, 166, 917-922.	1.9	25
47	Exposure to glibenclamide increases rat beta cells sensitivity to glucose. <i>British Journal of Pharmacology</i> , 2000, 129, 887-892.	2.7	23
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-C567.	2.1	22
49	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.	1.1	22
50	Analysis of HDL-microRNA panel in heterozygous familial hypercholesterolemia subjects with LDL receptor null or defective mutation. <i>Scientific Reports</i> , 2019, 9, 20354.	1.6	21
51	Circulating Coding and Long Non-Coding RNAs as Potential Biomarkers of Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8812.	1.8	21
52	Thyroid Cancer and Circadian Clock Disruption. <i>Cancers</i> , 2020, 12, 3109.	1.7	21
53	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, 347-354.	0.6	20
54	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.	1.1	20

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55	Update on pre-diabetes: Focus on diagnostic criteria and cardiovascular risk. <i>World Journal of Diabetes</i> , 2016, 7, 423.	1.3	19
56	Sarcopenia and Appendicular Muscle Mass as Predictors of Impaired Fasting Glucose/Type 2 Diabetes in Elderly Women. <i>Nutrients</i> , 2021, 13, 1909.	1.7	19
57	Coffee Restores Expression of lncRNAs Involved in Steatosis and Fibrosis in a Mouse Model of NAFLD. <i>Nutrients</i> , 2021, 13, 2952.	1.7	19
58	Molecular determinants of insulin resistance, cell apoptosis and lipid accumulation in non-alcoholic steatohepatitis. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 545-552.	1.1	18
59	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.	1.0	18
60	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.	2.2	17
61	High Glucose Exposure Impairs L-Cell Differentiation in Intestinal Organoids: Molecular Mechanisms and Clinical Implications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6660.	1.8	17
62	GPR Archaeometry. , 2009, , 479-508.		17
63	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.	1.1	16
64	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.	1.2	15
65	CEBPA exerts a specific and biologically important proapoptotic role in pancreatic $\beta^2$ cells through its downstream network targets. <i>Molecular Biology of the Cell</i> , 2014, 25, 2333-2341.	0.9	14
66	Hepatic insulin resistance in NAFLD: relationship with markers of atherosclerosis and metabolic syndrome components. <i>Acta Diabetologica</i> , 2016, 53, 449-459.	1.2	14
67	Candidate genes of SARS-CoV-2 gender susceptibility. <i>Scientific Reports</i> , 2021, 11, 21968.	1.6	14
68	Analysis of S100A12 plasma levels in hyperlipidemic subjects with or without familial hypercholesterolemia. <i>Acta Diabetologica</i> , 2019, 56, 899-906.	1.2	13
69	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, 206-212.	1.1	11
70	Inflammation and ventricular-vascular coupling in hypertensive patients with metabolic syndrome. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018, 28, 1222-1229.	1.1	11
71	Direct Effects of D-Chiro-Inositol on Insulin Signaling and Glucagon Secretion of Pancreatic Alpha Cells. <i>Biomolecules</i> , 2020, 10, 1404.	1.8	11
72	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.	1.1	11

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73	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, 562.	1.8	11
74	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, 3597.	1.0	10
75	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.	1.1	10
76	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.	1.1	7
77	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.	1.1	7
78	738 Omega-3 polyunsaturated fatty acids: A pilot trial in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2006, 44, S264.	1.8	6
79	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.	1.2	6
80	Impaired glucagon suppression and reduced insulin sensitivity in subjects with prediabetes undergoing atorvastatin therapy. <i>European Journal of Endocrinology</i> , 2019, 181, 579-590.	1.9	6
81	Archaeological Fieldwork Reports: The Lateran Project. <i>Papers of the British School at Rome</i> , 2012, 80, 369-371.	0.1	5
82	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.	1.2	5
83	Glucagon as a Therapeutic Approach to Severe Hypoglycemia: After 100 Years, Is It Still the Antidote of Insulin?. <i>Biomolecules</i> , 2021, 11, 1281.	1.8	5
84	Direct and Indirect Effects of SARS-CoV-2 Pandemic in Subjects with Familial Hypercholesterolemia: A Single Lipid-Center Real-World Evaluation. <i>Journal of Clinical Medicine</i> , 2021, 10, 4363.	1.0	5
85	Effects of Lipid Lowering Therapy Optimization by PCSK9 Inhibitors on Circulating CD34+ Cells and Pulse Wave Velocity in Familial Hypercholesterolemia Subjects without Atherosclerotic Cardiovascular Disease: Real-World Data from Two Lipid Units. <i>Biomedicines</i> , 2022, 10, 1715.	1.4	4
86	Glucotoxicity and lipotoxicity in the beta cell. <i>International Congress Series</i> , 2003, 1253, 115-121.	0.2	3
87	Hexokinase shift to mitochondria is associated with an increased sensitivity to glucose in rat pancreatic islets. <i>Diabetes</i> , 1997, 46, 1148-1152.	0.3	3
88	Increased Platelet Reactivity and Proinflammatory Profile Are Associated with Intima-Media Thickness and Arterial Stiffness in Prediabetes. <i>Journal of Clinical Medicine</i> , 2022, 11, 2870.	1.0	3
89	Diabetes increases renovascular impedance in patients with liver cirrhosis. <i>Internal and Emergency Medicine</i> , 2015, 10, 703-709.	1.0	2
90	Prevalence of use and appropriateness of antidepressants prescription in acutely hospitalized elderly patients. <i>European Journal of Internal Medicine</i> , 2019, 68, e7-e11.	1.0	2

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91	Molecular Effects of Chronic Exposure to Palmitate in Intestinal Organoids: A New Model to Study Obesity and Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7751.	1.8	2
92	The multifaceted spectrum of liver cirrhosis in older hospitalised patients: analysis of the REPOSI registry. <i>Age and Ageing</i> , 2021, 50, 498-504.	0.7	1
93	The entero-insular axis: a journey in the pathophysiology of diabetes. <i>Exploration of Medicine</i> , 2020, 1, .	1.5	1
94	The Endocrine Pancreas. <i>Endocrinology</i> , 2016, , 1-32.	0.1	0
95	The Endocrine Pancreas. <i>Endocrinology</i> , 2018, , 423-454.	0.1	0
96	Editorial on the Special Issue: "Pancreatic Islets of Langerhans: Not Only Beta-Cells". <i>Biomolecules</i> , 2021, 11, 1646.	1.8	0