

M Paula Macedo

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

2,431
citations

185998

28
h-index

243296

44
g-index

99
all docs

99
docs citations

99
times ranked

3031
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancing the global public health agenda for NAFLD: a consensus statement. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2022, 19, 60-78.	8.2	330
2	Inside the Diabetic Brain: Role of Different Players Involved in Cognitive Decline. <i>ACS Chemical Neuroscience</i> , 2016, 7, 131-142.	1.7	118
3	Review of methods for detecting glycemic disorders. <i>Diabetes Research and Clinical Practice</i> , 2020, 165, 108233.	1.1	108
4	How Inflammation Impinges on NAFLD: A Role for Kupffer Cells. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	100
5	Hepatic parasympathetic (HISS) control of insulin sensitivity determined by feeding and fasting. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G29-G36.	1.6	74
6	HbA1c, Fructosamine, and Glycated Albumin in the Detection of Dysglycaemic Conditions. <i>Current Diabetes Reviews</i> , 2015, 12, 14-19.	0.6	70
7	Hepatic glutathione and nitric oxide are critical for hepatic insulin-sensitizing substance action. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, G588-G594.	1.6	67
8	Insulin resistance induced by sucrose feeding in rats is due to an impairment of the hepatic parasympathetic nerves. <i>Diabetologia</i> , 2005, 48, 976-983.	2.9	59
9	Paraoxonase-1 as a Regulator of Glucose and Lipid Homeostasis: Impact on the Onset and Progression of Metabolic Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4049.	1.8	59
10	Rho-kinase/AMPK axis regulates hepatic lipogenesis during overnutrition. <i>Journal of Clinical Investigation</i> , 2018, 128, 5335-5350.	3.9	57
11	Rapid insulin sensitivity test (RIST). <i>Canadian Journal of Physiology and Pharmacology</i> , 1998, 76, 1080-1086.	0.7	55
12	Bridging Type 2 Diabetes and Alzheimer's Disease: Assembling the Puzzle Pieces in the Quest for the Molecules With Therapeutic and Preventive Potential. <i>Medicinal Research Reviews</i> , 2018, 38, 261-324.	5.0	55
13	Urine-Derived Stem Cells: Applications in Regenerative and Predictive Medicine. <i>Cells</i> , 2020, 9, 573.	1.8	43
14	40th EASD Annual Meeting of the European Association for the Study of Diabetes. <i>Diabetologia</i> , 2004, 47, A1-A464.	2.9	41
15	Mechanisms through which a small protein and lipid preload improves glucose tolerance. <i>Diabetologia</i> , 2015, 58, 2503-2512.	2.9	41
16	Exploiting the Therapeutic Potential of 8-Î²-Glucopyranosylgenistein: Synthesis, Antidiabetic Activity, and Molecular Interaction with Islet Amyloid Polypeptide and Amyloid Î²-Peptide (1â€“42). <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9463-9472.	2.9	39
17	Insulin sensitivity is mediated by the activation of the ACh/NO/cGMP pathway in rat liver. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G527-G532.	1.6	38
18	Gut-Pancreas-Liver Axis as a Target for Treatment of NAFLD/NASH. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5820.	1.8	38

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19	Systemic inhibition of nitric oxide synthesis in non-diabetic individuals produces a significant deterioration in glucose tolerance by increasing insulin clearance and inhibiting insulin secretion. <i>Diabetologia</i> , 2013, 56, 1183-1191.	2.9	37
20	Virtual genetic diagnosis for familial hypercholesterolemia powered by machine learning. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1639-1646.	0.8	37
21	Rapid insulin sensitivity test (RIST). <i>Canadian Journal of Physiology and Pharmacology</i> , 1998, 76, 1080-6.	0.7	37
22	Diabetes hinders community-acquired pneumonia outcomes in hospitalized patients. <i>BMJ Open Diabetes Research and Care</i> , 2016, 4, e000181.	1.2	35
23	Trem-2 Promotes Emergence of Restorative Macrophages and Endothelial Cells During Recovery From Hepatic Tissue Damage. <i>Frontiers in Immunology</i> , 2020, 11, 616044.	2.2	34
24	Co-administration of glutathione and nitric oxide enhances insulin sensitivity in Wistar rats. <i>British Journal of Pharmacology</i> , 2006, 147, 959-965.	2.7	31
25	Effects of CPAP on nitrate and norepinephrine levels in severe and mild-moderate sleep apnea. <i>BMC Pulmonary Medicine</i> , 2013, 13, 13.	0.8	31
26	Assessment of methods and indexes of insulin sensitivity. <i>Revista Portuguesa De Endocrinologia Diabetes E Metabolismo</i> , 2014, 9, 65-73.	0.1	31
27	Carvedilol Action Is Dependent on Endogenous Production of Nitric Oxide. <i>American Journal of Hypertension</i> , 2006, 19, 419-425.	1.0	30
28	Understanding Postprandial Glucose Clearance by Peripheral Organs: The Role of the Hepatic Parasympathetic System. <i>Journal of Neuroendocrinology</i> , 2011, 23, 1288-1295.	1.2	30
29	Determining contributions of exogenous glucose and fructose to de novo fatty acid and glycerol synthesis in liver and adipose tissue. <i>Metabolic Engineering</i> , 2019, 56, 69-76.	3.6	30
30	Insulin-degrading enzyme: an ally against metabolic and neurodegenerative diseases. <i>Journal of Pathology</i> , 2021, 255, 346-361.	2.1	29
31	Shear-induced modulation of vasoconstriction in the hepatic artery and portal vein by nitric oxide. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, G253-G260.	1.6	28
32	Tonic activation of A2A adenosine receptors unmasks, and of A1 receptors prevents, a facilitatory action of calcitonin gene-related peptide in the rat hippocampus. <i>British Journal of Pharmacology</i> , 2000, 129, 374-380.	2.7	28
33	Paper-Based In-Situ Gold Nanoparticle Synthesis for Colorimetric, Non-Enzymatic Glucose Level Determination. <i>Nanomaterials</i> , 2020, 10, 2027.	1.9	28
34	Meal-induced insulin sensitization and its parasympathetic regulation in humans. <i>Canadian Journal of Physiology and Pharmacology</i> , 2008, 86, 880-888.	0.7	26
35	Meal-induced insulin sensitization in conscious and anaesthetized rat models comparing liquid mixed meal with glucose and sucrose. <i>British Journal of Nutrition</i> , 2006, 95, 288-295.	1.2	25
36	Methylsulfonylethane (MSM), an organosulfur compound, is effective against obesity-induced metabolic disorders in mice. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 1508-1521.	1.5	25

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37	Insights from qualitative research on NAFLD awareness with a cohort of T2DM patients: time to go public with insulin resistance?. BMC Public Health, 2020, 20, 1142.	1.2	25
38	Insulin: Trigger and Target of Renal Functions. Frontiers in Cell and Developmental Biology, 2020, 8, 519.	1.8	24
39	NOS2 Variants Reveal a Dual Genetic Control of Nitric Oxide Levels, Susceptibility to Plasmodium Infection, and Cerebral Malaria. Infection and Immunity, 2014, 82, 1287-1295.	1.0	23
40	Shear-induced modulation by nitric oxide of sympathetic nerves in the superior mesenteric artery. Canadian Journal of Physiology and Pharmacology, 1996, 74, 692-700.	0.7	21
41	H1S-dependent insulin resistance (HIR) in aged rats is associated with adiposity, progresses to syndrome X, and is attenuated by a unique antioxidant cocktail. Experimental Gerontology, 2008, 43, 790-800.	1.2	20
42	Transfer of glucose hydrogens via acetyl-CoA, malonyl-CoA, and NADPH to fatty acids during de novo lipogenesis. Journal of Lipid Research, 2019, 60, 2050-2056.	2.0	19
43	High-fat diet results in postprandial insulin resistance that involves parasympathetic dysfunction. British Journal of Nutrition, 2010, 104, 1450-1459.	1.2	18
44	Loss of postprandial insulin clearance control by Insulin-degrading enzyme drives dysmetabolism traits. Metabolism: Clinical and Experimental, 2021, 118, 154735.	1.5	18
45	Loss of Postprandial Insulin Sensitization During Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 560-565.	1.7	17
46	Risk of postprandial insulin resistance: The liver/vagus rapport. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 67-77.	2.6	17
47	Mercapturate Pathway in the Tubulocentric Perspective of Diabetic Kidney Disease. Nephron, 2019, 143, 17-23.	0.9	17
48	² H enrichment distribution of hepatic glycogen from ² H ₂ O reveals the contribution of dietary fructose to glycogen synthesis. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E384-E391.	1.8	15
49	Disposition of [U- ² H]glucose into hepatic glycogen in rat and in seabass. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 316-322.	0.8	14
50	Mechanisms by which the thiazolidinedione troglitazone protects against sucrose-induced hepatic fat accumulation and hyperinsulinaemia. British Journal of Pharmacology, 2016, 173, 267-278.	2.7	14
51	Hepatic Circulation and Toxicology. Drug Metabolism Reviews, 1997, 29, 369-395.	1.5	13
52	Bethanechol and N-acetylcysteine mimic feeding signals and reverse insulin resistance in fasted and sucrose-induced diabetic rats. Canadian Journal of Physiology and Pharmacology, 2011, 89, 135-142.	0.7	13
53	Knockout of insulin-degrading enzyme leads to mice testicular morphological changes and impaired sperm quality. Molecular and Cellular Endocrinology, 2019, 486, 11-17.	1.6	12
54	Hepatic parasympathetic role in insulin resistance on an animal model of hypertension. Metabolism: Clinical and Experimental, 2007, 56, 227-233.	1.5	11

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55	Design and Synthesis of CNS-targeted Flavones and Analogues with Neuroprotective Potential Against H ₂ O ₂ - and A β ¹⁻⁴² -Induced Toxicity in SH-SY5Y Human Neuroblastoma Cells. <i>Pharmaceuticals</i> , 2019, 12, 98.	1.7	11
56	Metabolic Footprint, towards Understanding Type 2 Diabetes beyond Glycemia. <i>Journal of Clinical Medicine</i> , 2020, 9, 2588.	1.0	11
57	Dipeptidyl Peptidase-4 Is a Pro-Recovery Mediator During Acute Hepatotoxic Damage and Mirrors Severe Shifts in Kupffer Cells. <i>Hepatology Communications</i> , 2018, 2, 1080-1094.	2.0	10
58	Acute Glucagon Induces Postprandial Peripheral Insulin Resistance. <i>PLoS ONE</i> , 2015, 10, e0127221.	1.1	10
59	Understanding the in-vivo relevance of S-nitrosothiols in insulin action. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 887-894.	0.7	8
60	Hepatic guanylyl cyclase inhibition induces HISS-dependent insulin resistance. <i>Proceedings of the Western Pharmacology Society</i> , 2002, 45, 57-8.	0.1	8
61	Postprandial but not fasting insulin resistance is an early identifier of dysmetabolism in overweight subjects. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 923-931.	0.7	7
62	Insights into Macrophage/Monocyte-Endothelial Cell Crosstalk in the Liver: A Role for Trem-2. <i>Journal of Clinical Medicine</i> , 2021, 10, 1248.	1.0	7
63	Insulin resistance in two animal models of obesity: A comparison of HISS-dependent and HISS-independent insulin action in high-fat diet-fed and Zucker rats. <i>Proceedings of the Western Pharmacology Society</i> , 2007, 50, 110-4.	0.1	7
64	Potential to vasodilators by nitric oxide synthase blockade in superior mesenteric but not hepatic artery. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 272, G507-G514.	1.6	6
65	Hepatic-dependent and -independent Insulin Actions Are Impaired in the Obese Zucker Rat Model*. <i>Obesity</i> , 2007, 15, 314-321.	1.5	6
66	Postprandial Insulin Resistance in Zucker Diabetic Fatty Rats is Associated with Parasympathetic-Nitric Oxide Axis Deficiencies. <i>Journal of Neuroendocrinology</i> , 2012, 24, 1346-1355.	1.2	6
67	Nitric oxide synthase inhibition decreases output of hepatic insulin sensitizing substance (HISS), which is reversed by SIN-1 but not by nitroprusside. <i>Proceedings of the Western Pharmacology Society</i> , 2001, 44, 25-6.	0.1	6
68	A new technique to assess insulin sensitivity in humans: the rapid insulin sensitivity test (RIST). <i>Proceedings of the Western Pharmacology Society</i> , 2007, 50, 105-9.	0.1	6
69	Autoregulatory capacity in the superior mesenteric artery is attenuated by nitric oxide. <i>American Journal of Physiology - Renal Physiology</i> , 1996, 271, G400-G404.	1.6	5
70	2-Deoxyglycosylation towards more effective and bioavailable neuroprotective molecules inspired by nature. <i>Pure and Applied Chemistry</i> , 2019, 91, 1209-1221.	0.9	5
71	Clustering Clinical Data in R. <i>Methods in Molecular Biology</i> , 2020, 2051, 309-343.	0.4	5
72	Postprandial insulin action relies on meal composition and hepatic parasympathetics: dependency on glucose and amino acids. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 70-78.	1.9	4

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73	Nitric Oxide and the Hepatic Circulation. , 2000 , 243-258.		4
74	The action of hepatic insulin sensitizing substance is decreased in rats on a high-sucrose diet. Proceedings of the Western Pharmacology Society, 2001, 44, 31-2.	0.1	4
75	Messages from the Small Intestine Carried by Extracellular Vesicles in Prediabetes: A Proteomic Portrait. Journal of Proteome Research, 2022, 21, 910-920.	1.8	4
76	In Vitro Nitrosation of Insulin A- and B-Chains. European Journal of Mass Spectrometry, 2006, 12, 331-338.	0.5	3
77	Direct analysis of [6,6-2H2]glucose and [U-13C6]glucose dry blood spot enrichments by LC-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1022, 242-248.	1.2	3
78	Nitric oxide suppression of norepinephrine release from nerves in the superior mesenteric artery. Proceedings of the Western Pharmacology Society, 1994, 37, 103-4.	0.1	3
79	Shear-induced modulation by nitric oxide of sympathetic nerves in the superior mesenteric artery. Canadian Journal of Physiology and Pharmacology, 1996, 74, 692-700.	0.7	3
80	Effect of the hepatic insulin sensitizing substance in the spontaneously hypertensive rat. Proceedings of the Western Pharmacology Society, 2001, 44, 27-8.	0.1	3
81	The fatty Zucker rat fa/fa shows a dysfunction of the HISS-dependent and -independent components of insulin action. Proceedings of the Western Pharmacology Society, 2001, 44, 29-30.	0.1	3
82	Defective hepatic nitric oxide action results in HISS-dependent insulin resistance in spontaneously hypertensive rats. Proceedings of the Western Pharmacology Society, 2004, 47, 103-4.	0.1	3
83	Prediabetes blunts DPP4 genetic control of postprandial glycaemia and insulin secretion. Diabetologia, 2022, 65, 861-871.	2.9	3
84	Data on metabolic profile of insulin-degrading enzyme knockout mice. Data in Brief, 2019, 25, 104023.	0.5	2
85	S-Nitrosoglutathione Reverts Dietary Sucrose-Induced Insulin Resistance. Antioxidants, 2020, 9, 870.	2.2	2
86	Nitric oxide synthase antagonism potentiates pressure-flow autoregulation in the superior mesenteric artery. Proceedings of the Western Pharmacology Society, 1995, 38, 33-4.	0.1	1
87	Bridges in translational medicine: a case for metabolism, inflammation, and nutrition. Canadian Journal of Physiology and Pharmacology, 2014, 92, iii-iii.	0.7	0
88	27th Annual Meeting of the European Group for the study of Insulin Resistance, Lisbon, Portugal, 8â€“9th May 2019. Cardiovascular Endocrinology and Metabolism, 2019, 8, 88-89.	0.5	0
89	Prevalence and impact of Diabetes mellitus (DM) among hospitalized community-acquired pneumonia (CAP) patients. , 2015, , .		0
90	Coupling deoxy sugars to polyphenols: Neuroprotection and bioavailability. , 0, , .		0

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91	Hepatic metabolic effects of norepinephrine are potentiated by nitric oxide. Proceedings of the Western Pharmacology Society, 2001, 44, 23-4.	0.1	0