

Paulo N Matafome

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,219
citations

236925

25
h-index

254184

43
g-index

82
all docs

82
docs citations

82
times ranked

3262
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Resistin, glucose, age and BMI to predict the presence of breast cancer. <i>BMC Cancer</i> , 2018, 18, 29.	2.6	177
2	Methylglyoxal promotes oxidative stress and endothelial dysfunction. <i>Pharmacological Research</i> , 2012, 65, 497-506.	7.1	174
3	Metformin restores endothelial function in aorta of diabetic rats. <i>British Journal of Pharmacology</i> , 2011, 163, 424-437.	5.4	144
4	Methylglyoxal, obesity, and diabetes. <i>Endocrine</i> , 2013, 43, 472-484.	2.3	137
5	Irisin and Myonectin Regulation in the Insulin Resistant Muscle: Implications to Adipose Tissue: Muscle Crosstalk. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-8.	2.3	82
6	Ischaemia-induced autophagy leads to degradation of gap junction protein connexin43 in cardiomyocytes. <i>Biochemical Journal</i> , 2015, 467, 231-245.	3.7	74
7	MicroRNA-424(322) as a new marker of disease progression in pulmonary arterial hypertension and its role in right ventricular hypertrophy by targeting SMURF1. <i>Cardiovascular Research</i> , 2018, 114, 53-64.	3.8	72
8	Methylglyoxal in Metabolic Disorders: Facts, Myths, and Promises. <i>Medicinal Research Reviews</i> , 2017, 37, 368-403.	10.5	67
9	Methylglyoxal-induced imbalance in the ratio of vascular endothelial growth factor to angiopoietin 2 secreted by retinal pigment epithelial cells leads to endothelial dysfunction. <i>Experimental Physiology</i> , 2010, 95, 955-970.	2.0	61
10	Metformin and atorvastatin combination further protect the liver in type 2 diabetes with hyperlipidaemia. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 54-62.	4.0	58
11	The Force at the Tip - Modelling Tension and Proliferation in Sprouting Angiogenesis. <i>PLoS Computational Biology</i> , 2015, 11, e1004436.	3.2	52
12	Hyperresistinemia and metabolic dysregulation: a risky crosstalk in obese breast cancer. <i>Endocrine</i> , 2016, 53, 433-442.	2.3	46
13	Methylglyoxal causes structural and functional alterations in adipose tissue independently of obesity. <i>Archives of Physiology and Biochemistry</i> , 2012, 118, 58-68.	2.1	45
14	Functional abolition of carotid body activity restores insulin action and glucose homeostasis in rats: key roles for visceral adipose tissue and the liver. <i>Diabetologia</i> , 2017, 60, 158-168.	6.3	45
15	Methylglyoxal-induced glycation changes adipose tissue vascular architecture, flow and expansion, leading to insulin resistance. <i>Scientific Reports</i> , 2017, 7, 1698.	3.3	41
16	Heart ischemia results in connexin43 ubiquitination localized at the intercalated discs. <i>Biochimie</i> , 2015, 112, 196-201.	2.6	37
17	Insulin resistance is associated with tissue-specific regulation of HIF-1 α and HIF-2 α during mild chronic intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2016, 228, 30-38.	1.6	35
18	Dopamine D2 receptor agonist, bromocriptine, remodels adipose tissue dopaminergic signalling and upregulates catabolic pathways, improving metabolic profile in type 2 diabetes. <i>Molecular Metabolism</i> , 2021, 51, 101241.	6.5	35

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19	Common mechanisms of dysfunctional adipose tissue and obesity-related cancers. <i>Diabetes/Metabolism Research and Reviews</i> , 2013, 29, 285-295.	4.0	34
20	Effects of methylglyoxal and pyridoxamine in rat brain mitochondria bioenergetics and oxidative status. <i>Journal of Bioenergetics and Biomembranes</i> , 2014, 46, 347-355.	2.3	33
21	Lactation as a programming window for metabolic syndrome. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13482.	3.4	32
22	Function and Dysfunction of Adipose Tissue. <i>Advances in Neurobiology</i> , 2017, 19, 3-31.	1.8	31
23	Methylglyoxal chronic administration promotes diabetes-like cardiac ischaemia disease in Wistar normal rats. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013, 23, 1223-1230.	2.6	30
24	Advanced glycation end products and diabetic nephropathy: a comparative study using diabetic and normal rats with methylglyoxal-induced glycation. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 173-184.	3.0	30
25	Metabolic Disease Programming: From Mitochondria to Epigenetics, Glucocorticoid Signalling and Beyond. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13625.	3.4	29
26	Reduction of Methylglyoxal-Induced Glycation by Pyridoxamine Improves Adipose Tissue Microvascular Lesions. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-9.	2.3	27
27	Insulin and metformin may prevent renal injury in young type 2 diabetic Goto-Kakizaki rats. <i>European Journal of Pharmacology</i> , 2011, 653, 89-94.	3.5	26
28	A2 Adenosine Receptors Mediate Whole-Body Insulin Sensitivity in a Prediabetes Animal Model: Primary Effects on Skeletal Muscle. <i>Frontiers in Endocrinology</i> , 2020, 11, 262.	3.5	26
29	Adiponectin and sporadic Alzheimer's disease: Clinical and molecular links. <i>Frontiers in Neuroendocrinology</i> , 2019, 52, 1-11.	5.2	25
30	Peripheral Dopamine Directly Acts on Insulin-Sensitive Tissues to Regulate Insulin Signaling and Metabolic Function. <i>Frontiers in Pharmacology</i> , 2021, 12, 713418.	3.5	23
31	A role for atorvastatin and insulin combination in protecting from liver injury in a model of type 2 diabetes with hyperlipidemia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 379, 241-251.	3.0	22
32	Curcumin derivatives for Type 2 Diabetes management and prevention of complications. <i>Archives of Pharmacal Research</i> , 2020, 43, 567-581.	6.3	22
33	Methylglyoxal further impairs adipose tissue metabolism after partial decrease of blood supply. <i>Archives of Physiology and Biochemistry</i> , 2013, 119, 209-218.	2.1	21
34	Soybean oil treatment impairs glucose-stimulated insulin secretion and changes fatty acid composition of normal and diabetic islets. <i>Acta Diabetologica</i> , 2007, 44, 121-130.	2.5	20
35	Pyridoxamine Reverts Methylglyoxal-Induced Impairment of Survival Pathways During Heart Ischemia. <i>Cardiovascular Therapeutics</i> , 2013, 31, e79-85.	2.5	20
36	Evaluating the Impact of Different Hypercaloric Diets on Weight Gain, Insulin Resistance, Glucose Intolerance, and its Comorbidities in Rats. <i>Nutrients</i> , 2019, 11, 1197.	4.1	20

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37	GLP-1 improves adipose tissue glyoxalase activity and capillarization improving insulin sensitivity in type 2 diabetes. <i>Pharmacological Research</i> , 2020, 161, 105198.	7.1	20
38	Amelioration of Glycemic Control by Sleeve Gastrectomy and Gastric Bypass in a Lean Animal Model of Type 2 Diabetes: Restoration of Gut Hormone Profile. <i>Obesity Surgery</i> , 2015, 25, 7-18.	2.1	19
39	Association between Adipokines and Biomarkers of Alzheimer's Disease: A Cross-Sectional Study. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 725-735.	2.6	18
40	The Role of Brain in Energy Balance. <i>Advances in Neurobiology</i> , 2017, 19, 33-48.	1.8	16
41	Neuroendocrinology of Adipose Tissue and Gut-Brain Axis. <i>Advances in Neurobiology</i> , 2017, 19, 49-70.	1.8	16
42	Glucagon secretion after metabolic surgery in diabetic rodents. <i>Journal of Endocrinology</i> , 2014, 223, 255-265.	2.6	15
43	High-fat diet induces a neurometabolic state characterized by changes in glutamate and N-acetylaspartate pools associated with early glucose intolerance: An in vivo multimodal MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 757-766.	3.4	15
44	Long-term globular adiponectin administration improves adipose tissue dysmetabolism in high-fat diet-fed Wistar rats. <i>Archives of Physiology and Biochemistry</i> , 2014, 120, 147-157.	2.1	14
45	Plasma activated media and direct exposition can selectively ablate retinoblastoma cells. <i>Free Radical Biology and Medicine</i> , 2021, 171, 302-313.	2.9	14
46	Glycation and Hypoxia: Two Key Factors for Adipose Tissue Dysfunction. <i>Current Medicinal Chemistry</i> , 2015, 22, 2417-2437.	2.4	14
47	Dietary restriction improves systemic and muscular oxidative stress in type 2 diabetic Goto-Kakizaki rats. <i>Journal of Physiology and Biochemistry</i> , 2011, 67, 613-619.	3.0	13
48	Surface-PASylation of ferritin to form stealth nanovehicles enhances in vivo therapeutic performance of encapsulated ellipticine. <i>Applied Materials Today</i> , 2020, 18, 100501.	4.3	13
49	Therapeutic association of atorvastatin and insulin in cardiac ischemia: Study in a model of type 2 diabetes with hyperlipidemia. <i>Pharmacological Research</i> , 2008, 58, 208-214.	7.1	11
50	Atorvastatin-mediated protection of the retina in a model of diabetes with hyperlipidemia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 1037-1043.	1.4	11
51	Food Deprivation Promotes Oxidative Imbalance in Rat Brain. <i>Journal of Food Science</i> , 2009, 74, H8-H14.	3.1	10
52	Beneficial effects of dietary restriction in type 2 diabetic rats: the role of adipokines on inflammation and insulin resistance. <i>British Journal of Nutrition</i> , 2010, 104, 76-82.	2.3	10
53	Dietary Glycotoxins Impair Hepatic Lipidemic Profile in Diet-Induced Obese Rats Causing Hepatic Oxidative Stress and Insulin Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	4.0	10
54	Effect of Sleeve Gastrectomy on Angiogenesis and Adipose Tissue Health in an Obese Animal Model of Type 2 Diabetes. <i>Obesity Surgery</i> , 2019, 29, 2942-2951.	2.1	10

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55	Benefits, mechanisms, and risks of intermittent fasting in metabolic syndrome and type 2 diabetes. <i>Journal of Physiology and Biochemistry</i> , 2022, , 1.	3.0	10
56	A vascular piece in the puzzle of adipose tissue dysfunction: mechanisms and consequences. <i>Archives of Physiology and Biochemistry</i> , 2014, 120, 1-11.	2.1	9
57	<i>Acrocomia aculeata</i> (Jacq.) Lodd. ex Mart. Leaves Increase SIRT1 Levels and Improve Stress Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-16.	4.0	9
58	Hypoglycaemic and Antioxidant Properties of <i>Acrocomia aculeata</i> (Jacq.) Lodd Ex Mart. Extract Are Associated with Better Vascular Function of Type 2 Diabetic Rats. <i>Nutrients</i> , 2021, 13, 2856.	4.1	9
59	Distinct Impact of Natural Sugars from Fruit Juices and Added Sugars on Caloric Intake, Body Weight, Glycaemia, Oxidative Stress and Glycation in Diabetic Rats. <i>Nutrients</i> , 2021, 13, 2956.	4.1	9
60	Gut-adipose tissue crosstalk: A bridge to novel therapeutic targets in metabolic syndrome?. <i>Obesity Reviews</i> , 2021, 22, e13130.	6.5	7
61	Programming of future generations during breastfeeding: The intricate relation between metabolic and neurodevelopment disorders. <i>Life Sciences</i> , 2022, 298, 120526.	4.3	7
62	Mice with Type 2 Diabetes Present Significant Alterations in Their Tissue Biomechanical Properties and Histological Features. <i>Biomedicines</i> , 2022, 10, 57.	3.2	7
63	Chronic Intermittent Hypoxia Induces Early-Stage Metabolic Dysfunction Independently of Adipose Tissue Deregulation. <i>Antioxidants</i> , 2021, 10, 1233.	5.1	6
64	Sex-specific changes in peripheral metabolism in a model of chronic anxiety induced by prenatal stress. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13639.	3.4	5
65	Early AGEing and metabolic diseases: is perinatal exposure to glycotoxins programming for adult-life metabolic syndrome?. <i>Nutrition Reviews</i> , 2021, 79, 13-24.	5.8	4
66	Kinetics of radium-223 and its effects on survival, proliferation and DNA damage in lymph-node and bone metastatic prostate cancer cell lines. <i>International Journal of Radiation Biology</i> , 2021, 97, 714-726.	1.8	4
67	COVID-19 During Development: A Matter of Concern. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 659032.	3.7	4
68	Impairment of the angiogenic process may contribute to lower success rate of root canal treatments in diabetes mellitus. <i>International Endodontic Journal</i> , 2021, 54, 1687-1698.	5.0	4
69	Oxymestane, a cytostatic steroid derivative of exemestane with greater antitumor activity in non-estrogen-dependent cell lines. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 212, 105950.	2.5	4
70	Early postnatal exposure of rat pups to methylglyoxal induces oxidative stress, inflammation and dysmetabolism at adulthood. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 617-625.	1.4	3
71	Improvement of Glycaemia and Endothelial Function by a New Low-Dose Curcuminoid in an Animal Model of Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5652.	4.1	3
72	Teduglutide effects on gene regulation of fibrogenesis on an animal model of intestinal anastomosis. <i>Journal of Surgical Research</i> , 2017, 216, 87-98.	1.6	2

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73	Intestinal inflammatory and redox responses to the perioperative administration of teduglutide in rats. <i>Acta Cirurgica Brasileira</i> , 2017, 32, 648-661.	0.7	2
74	Intestinal Epithelial Stem Cells: Distinct Behavior After Surgical Injury and Teduglutide Administration. <i>Journal of Investigative Surgery</i> , 2018, 31, 243-252.	1.3	2
75	Another Player in the Field: Involvement of Glycotoxins and Glycosative Stress in Insulin Secretion and Resistance. <i>International Journal of Diabetology</i> , 2020, 1, 24-36.	2.0	2
76	TISSULAR GROWTH FACTORS PROFILE AFTER TEDUGLUTIDE ADMINISTRATION ON AN ANIMAL MODEL OF INTESTINAL ANASTOMOSIS; PERFIL TISULAR DE FACTORES DE CRECIMIENTO POST-ADMINISTRACIÓ"N DE TEDUGLUTIDE EN UN MODELO ANIMAL DE ANASTOMOSIS INTESTINAL. <i>Nutricion Hospitalaria</i> , 2018, 35, 185-193.	0.3	1
77	Epicardial adipose tissue (dys)function: A new player in heart disease?. <i>Revista Portuguesa De Cardiologia</i> , 2020, 39, 635-637.	0.5	1
78	A rat model of enhanced glycation mimics cardiac phenotypic components of human type 2 diabetes : A translational study using MRI. <i>Journal of Diabetes and Its Complications</i> , 2020, 34, 107554.	2.3	1
79	Dietary Imbalance between Natural and Added Nutrient Sources Is Associated with Higher Fat Mass in Young Non-Obese Individuals. <i>International Journal of Diabetology</i> , 2021, 2, 95-106.	2.0	1
80	Epicardial adipose tissue (dys)function: A new player in heart disease?. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , 2020, 39, 635-637.	0.2	1
81	Effects of teduglutide on histological parameters of intestinal anastomotic healing. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2017, 49, 218-227.	0.7	0
82	Distinct Impact of Natural Sugars from Fruit Juices and Added Sugars on Caloric Intake, Body Weight, Glycaemia, Oxidative Stress and Glycation in Diabetic Rats. <i>Nutrients</i> , 2021, 13, .	4.1	0