

Eugenia Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

4,620
citations

81743

39
h-index

102304

66
g-index

102
all docs

102
docs citations

102
times ranked

6765
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances on the development of wound dressings for diabetic foot ulcer treatmentâ€”A review. <i>Acta Biomaterialia</i> , 2013, 9, 7093-7114.	4.1	572
2	Adipose-specific overexpression of GLUT4 reverses insulin resistance and diabetes in mice lacking GLUT4 selectively in muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E551-E561.	1.8	196
3	Substance P Promotes Wound Healing in Diabetes by Modulating Inflammation and Macrophage Phenotype. <i>American Journal of Pathology</i> , 2015, 185, 1638-1648.	1.9	170
4	Evidence of impaired adipogenesis in insulin resistance. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 1045-1051.	1.0	152
5	Low cellular IRS 1 gene and protein expression predict insulin resistance and NIDDM. <i>FASEB Journal</i> , 1999, 13, 2173-2178.	0.2	143
6	Cellular cross-talk between epicardial adipose tissue and myocardium in relation to the pathogenesis of cardiovascular disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E937-E949.	1.8	143
7	Chitosan-based dressings loaded with neurotensinâ€”an efficient strategy to improve early diabetic wound healing. <i>Acta Biomaterialia</i> , 2014, 10, 843-857.	4.1	130
8	Mast Cells Regulate Wound Healing in Diabetes. <i>Diabetes</i> , 2016, 65, 2006-2019.	0.3	117
9	Insulin resistance with low cellular IRSâ€”1 expression is also associated with low GLUT4 expression and impaired insulinâ€”stimulated glucose transport ¹. <i>FASEB Journal</i> , 2001, 15, 1101-1103.	0.2	116
10	A novel cellular marker of insulin resistance and early atherosclerosis in humans is related to impaired fat cell differentiation and low adiponectin. <i>FASEB Journal</i> , 2003, 17, 1434-1440.	0.2	108
11	The Role of MicroRNAs in Diabetic Complicationsâ€”Special Emphasis on Wound Healing. <i>Genes</i> , 2014, 5, 926-956.	1.0	105
12	Neurotensin-loaded collagen dressings reduce inflammation and improve wound healing in diabetic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 32-43.	1.8	101
13	The Kinetics of Small Extracellular Vesicle Delivery Impacts Skin Tissue Regeneration. <i>ACS Nano</i> , 2019, 13, 8694-8707.	7.3	100
14	Insulin Signaling and Action in Fat Cells: Associations with Insulin Resistance and Type 2 Diabetes. <i>Annals of the New York Academy of Sciences</i> , 1999, 892, 119-126.	1.8	92
15	Improved Survival, Vascular Differentiation and Wound Healing Potential of Stem Cells Co-Cultured with Endothelial Cells. <i>PLoS ONE</i> , 2011, 6, e16114.	1.1	88
16	Effects of decavanadate and insulin enhancing vanadium compounds on glucose uptake in isolated rat adipocytes. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1687-1692.	1.5	86
17	mTOR inhibition with rapamycin causes impaired insulin signalling and glucose uptake in human subcutaneous and omental adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2012, 355, 96-105.	1.6	84
18	Spatial memory impairments in a prediabetic rat model. <i>Neuroscience</i> , 2013, 250, 565-577.	1.1	80

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19	Impaired glucose transport and protein kinase B activation by insulin, but not okadaic acid, in adipocytes from subjects with Type II diabetes mellitus. <i>Diabetologia</i> , 1999, 42, 819-825.	2.9	71
20	Role of neuropeptides in skin inflammation and its involvement in diabetic wound healing. <i>Expert Opinion on Biological Therapy</i> , 2010, 10, 1427-1439.	1.4	67
21	Microbiota of Chronic Diabetic Wounds: Ecology, Impact, and Potential for Innovative Treatment Strategies. <i>Frontiers in Microbiology</i> , 2017, 8, 1791.	1.5	67
22	Early cardiac changes in a rat model of prediabetes: brain natriuretic peptide overexpression seems to be the best marker. <i>Cardiovascular Diabetology</i> , 2013, 12, 44.	2.7	66
23	The Place of Dipeptidyl Peptidase-4 Inhibitors in Type 2 Diabetes Therapeutics: A "Me Too" or "The Special One" Antidiabetic Class?. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-28.	1.0	65
24	Sulforaphane prevents age-associated cardiac and muscular dysfunction through Nrf2 signaling. <i>Aging Cell</i> , 2020, 19, e13261.	3.0	64
25	Phosphorylation of PDE3B by Phosphatidylinositol 3-Kinase Associated with the Insulin Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 10093-10098.	1.6	63
26	The immunosuppressive agents rapamycin, cyclosporin A and tacrolimus increase lipolysis, inhibit lipid storage and alter expression of genes involved in lipid metabolism in human adipose tissue. <i>Molecular and Cellular Endocrinology</i> , 2013, 365, 260-269.	1.6	63
27	Insulin resistance in fat cells from obese Zucker rats—evidence for an impaired activation and translocation of protein kinase B and glucose transporter 4. <i>Molecular and Cellular Biochemistry</i> , 2000, 206, 7-16.	1.4	62
28	Increased Skin Inflammation and Blood Vessel Density in Human and Experimental Diabetes. <i>International Journal of Lower Extremity Wounds</i> , 2013, 12, 4-11.	0.6	60
29	Immune aging in diabetes and its implications in wound healing. <i>Clinical Immunology</i> , 2019, 200, 43-54.	1.4	60
30	PKB Inhibition Prevents the Stimulatory Effect of Insulin on Glucose Transport and Protein Translocation but Not the Antilipolytic Effect in Rat Adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 315-320.	1.0	59
31	Impaired phosphorylation and insulin-stimulated translocation to the plasma membrane of protein kinase B/Akt in adipocytes from Type II diabetic subjects. <i>Diabetologia</i> , 2000, 43, 1107-1115.	2.9	58
32	Substance P as a Novel Anti-obesity Target. <i>Gastroenterology</i> , 2008, 134, 747-755.e1.	0.6	58
33	Role of Endothelial Progenitor Cells and Inflammatory Cytokines in Healing of Diabetic Foot Ulcers. <i>PLoS ONE</i> , 2013, 8, e83314.	1.1	58
34	Impaired T-cell differentiation in diabetic foot ulceration. <i>Cellular and Molecular Immunology</i> , 2017, 14, 758-769.	4.8	56
35	GLUT4 Overexpression or Deficiency in Adipocytes of Transgenic Mice Alters the Composition of GLUT4 Vesicles and the Subcellular Localization of GLUT4 and Insulin-responsive Aminopeptidase. <i>Journal of Biological Chemistry</i> , 2004, 279, 21598-21605.	1.6	52
36	Cyclosporine A and Tacrolimus Reduce the Amount of GLUT4 at the Cell Surface in Human Adipocytes: Increased Endocytosis as a Potential Mechanism for the Diabetogenic Effects of Immunosuppressive Agents. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1885-E1894.	1.8	52

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37	Glucose uptake and lipid metabolism are impaired in epicardial adipose tissue from heart failure patients with or without diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E550-E564.	1.8	51
38	Effects of insulin on the skin: possible healing benefits for diabetic foot ulcers. <i>Archives of Dermatological Research</i> , 2016, 308, 677-694.	1.1	48
39	microRNA-155 inhibition restores Fibroblast Growth Factor 7 expression in diabetic skin and decreases wound inflammation. <i>Scientific Reports</i> , 2019, 9, 5836.	1.6	45
40	Neurotensin downregulates the pro-inflammatory properties of skin dendritic cells and increases epidermal growth factor expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1863-1871.	1.9	44
41	Glucose and Lipid Dysmetabolism in a Rat Model of Prediabetes Induced by a High-Sucrose Diet. <i>Nutrients</i> , 2017, 9, 638.	1.7	38
42	Mechanistic Actions of microRNAs in Diabetic Wound Healing. <i>Cells</i> , 2020, 9, 2228.	1.8	38
43	Molecular mechanisms underlying the effects of cyclosporin A and sirolimus on glucose and lipid metabolism in liver, skeletal muscle and adipose tissue in an in vivo rat model. <i>Biochemical Pharmacology</i> , 2014, 88, 216-228.	2.0	35
44	A comparative study of mitochondrial respiration in circulating blood cells and skeletal muscle fibers in women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E503-E512.	1.8	35
45	Molecular and cellular mechanisms of bone morphogenetic proteins and activins in the skin: potential benefits for wound healing. <i>Archives of Dermatological Research</i> , 2013, 305, 557-569.	1.1	33
46	Study of the antidiabetic capacity of the VO(dmpp)2 complex. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 987-992.	1.5	32
47	Lack of lymphocytes impairs macrophage polarization and angiogenesis in diabetic wound healing. <i>Life Sciences</i> , 2020, 254, 117813.	2.0	32
48	Protein tyrosine phosphatase 1B inhibition as a potential therapeutic target for chronic wounds in diabetes. <i>Pharmacological Research</i> , 2020, 159, 104977.	3.1	31
49	Inflammatory and Angiogenic Abnormalities in Diabetic Wound Healing: Role of Neuropeptides and Therapeutic Perspectives~!2009-09-05~!2009-09-20~!2010-03-04~!. <i>The Open Circulation & Vascular Journal</i> , 2010, 3, 43-55.	0.4	30
50	Transition from Cyclosporine-Induced Renal Dysfunction to Nephrotoxicity in an in Vivo Rat Model. <i>International Journal of Molecular Sciences</i> , 2014, 15, 8979-8997.	1.8	26
51	Neurotensin Modulates the Migratory and Inflammatory Response of Macrophages under Hyperglycemic Conditions. <i>BioMed Research International</i> , 2013, 2013, 1-13.	0.9	22
52	Neurotensin, substance P, and insulin enhance cell migration. <i>Journal of Peptide Science</i> , 2018, 24, e3093.	0.8	22
53	The effect of neurotensin in human keratinocytes "implication on impaired wound healing in diabetes. <i>Experimental Biology and Medicine</i> , 2014, 239, 6-12.	1.1	21
54	Neurotensin Decreases the Proinflammatory Status of Human Skin Fibroblasts and Increases Epidermal Growth Factor Expression. <i>International Journal of Inflammation</i> , 2014, 2014, 1-9.	0.9	21

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55	insulin resistance with low cellular IRS α 1 expression is also associated with low GLUT4 expression and impaired insulin-stimulated glucose transport 1. <i>FASEB Journal</i> , 2001, 15, 1101-1103.	0.2	21
56	Improved diabetic wound healing by LFCinB is associated with relevant changes in the skin immune response and microbiota. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 726-739.	1.8	20
57	Short and long term in vivo effects of Cyclosporine A and Sirolimus on genes and proteins involved in lipid metabolism in Wistar rats. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 702-715.	1.5	19
58	mTOR Signaling as a Regulator of Hematopoietic Stem Cell Fate. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1312-1322.	1.7	19
59	Rapamycin negatively impacts insulin signaling, glucose uptake and uncoupling protein-1 in brown adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1929-1941.	1.2	18
60	The Role of Nutraceutical Containing Polyphenols in Diabetes Prevention. <i>Metabolites</i> , 2022, 12, 184.	1.3	18
61	Bioactive Antimicrobial Peptides as Therapeutic Agents for Infected Diabetic Foot Ulcers. <i>Biomolecules</i> , 2021, 11, 1894.	1.8	18
62	Calcineurin is an important factor involved in glucose uptake in human adipocytes. <i>Molecular and Cellular Biochemistry</i> , 2018, 445, 157-168.	1.4	17
63	Effects of Cyclosporine and Sirolimus on Insulin-Stimulated Glucose Transport and Glucose Tolerance in a Rat Model. <i>Transplantation Proceedings</i> , 2013, 45, 1142-1148.	0.3	14
64	Cyclosporine A enhances gluconeogenesis while sirolimus impairs insulin signaling in peripheral tissues after 3 weeks of treatment. <i>Biochemical Pharmacology</i> , 2014, 91, 61-73.	2.0	14
65	Redox Imbalance and Methylation Disturbances in Early Childhood Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	1.9	14
66	Multi-Omic Analysis Reveals Different Effects of Sulforaphane on the Microbiome and Metabolome in Old Compared to Young Mice. <i>Microorganisms</i> , 2020, 8, 1500.	1.6	14
67	Hierarchical glucocorticoid-endocannabinoid interplay regulates the activation of the nucleus accumbens by insulin. <i>Brain Research Bulletin</i> , 2016, 124, 222-230.	1.4	12
68	Adipose-related microRNAs as modulators of the cardiovascular system: the role of epicardial adipose tissue. <i>Journal of Physiology</i> , 2022, 600, 1171-1187.	1.3	12
69	Dietary supplementation with sulforaphane ameliorates skin aging through activation of the Keap1-Nrf2 pathway. <i>Journal of Nutritional Biochemistry</i> , 2021, 98, 108817.	1.9	11
70	Proteostasis in epicardial versus subcutaneous adipose tissue in heart failure subjects with and without diabetes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2183-2198.	1.8	10
71	Effect of Inhibitors on the Coordination Geometries of Cadmium at the Metal Sites in Angiotensin-I-Converting Enzyme. <i>FEBS Journal</i> , 1995, 234, 780-785.	0.2	7
72	Electron paramagnetic resonance studies of cobalt-substituted angiotensin I-converting enzyme. <i>Journal of Inorganic Biochemistry</i> , 1996, 62, 147-153.	1.5	7

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73	Skeletal Muscle Acute and Chronic Metabolic Response to Essential Amino Acid Supplementation in Hypertriglyceridemic Older Adults. <i>Current Developments in Nutrition</i> , 2017, 1, e002071.	0.1	7
74	Serum and Renal Tissue Markers of Nephropathy in Rats Under Immunosuppressive Therapy: Cyclosporine Versus Sirolimus. <i>Transplantation Proceedings</i> , 2013, 45, 1149-1156.	0.3	6
75	Establishing a Link Between Endothelial Cell Metabolism and Vascular Behaviour in a Type 1 Diabetes Mouse Model. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 503-516.	1.1	6
76	Effectiveness of Two Stress Reduction Interventions in Patients with Chronic Diabetic Foot Ulcers (PSY-DFU): Protocol for a Longitudinal RCT with a Nested Qualitative Study Involving Family Caregivers. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8556.	1.2	6
77	Stress-Reducing Psychological Interventions as Adjuvant Therapies for Diabetic Chronic Wounds. <i>Current Diabetes Reviews</i> , 2021, 17, .	0.6	5
78	Diabetes and Cannabinoid CB1 receptor deficiency promote similar early onset aging-like changes in the skin. <i>Experimental Gerontology</i> , 2021, 154, 111528.	1.2	5
79	Cardiorenal benefits of early versus late cyclosporine to sirolimus conversion in a rat model. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2012, 3, 143-8.	0.2	5
80	Elimination of glucose contamination from adipocyte glycogen extracts. <i>Carbohydrate Research</i> , 2008, 343, 1486-1489.	1.1	4
81	Chronic insulinopenia/hyperglycemia decreases cannabinoid CB1 receptor density and impairs glucose uptake in the mouse forebrain. <i>Brain Research Bulletin</i> , 2019, 147, 101-109.	1.4	4
82	Transient gain of function of cannabinoid CB1 receptors in the control of frontocortical glucose consumption in a rat model of Type-1 diabetes. <i>Brain Research Bulletin</i> , 2020, 161, 106-115.	1.4	3
83	Imbalance in T-cell differentiation as a biomarker of chronic diabetic foot ulceration. <i>Cellular and Molecular Immunology</i> , 2019, 16, 833-834.	4.8	2
84	Neonatal diet impacts liver mitochondrial bioenergetics in piglets fed formula or human milk. <i>BMC Nutrition</i> , 2020, 6, 13.	0.6	2
85	<sc>Short-term</sc> Increased Physical Activity During Early Life Affects High-Fat Diet-Induced Bone Loss in Young Adult Mice. <i>JBMR Plus</i> , 2021, 5, e10508.	1.3	2
86	Effects of the Diabetes-Induced MicroRNA-155 on Wound Healing and Fibroblast Growth Factor 7 Expression. <i>Diabetes</i> , 2018, 67, 29-LB.	0.3	2
87	Effect of excess weight and insulin resistance on DNA methylation in prepubertal children. <i>Scientific Reports</i> , 2022, 12, 8430.	1.6	2
88	Reply to Katlandur, Ozbek, and Keser. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E863-E863.	1.8	1
89	Antioxidant activity characterization of a commercial juice (apple, strawberry and lemon thyme) Tj ETQq1 1 0.784314 rgBT /Qverlock 10	1.5	1
90	Editorial commentary: Wanted: MicroRNAs to the aid of the diabetic foot. <i>Trends in Cardiovascular Medicine</i> , 2019, 29, 138-140.	2.3	1

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91	Mitochondrial respiration in thoracic perivascular adipose tissue of diabetic mice. Journal of Endocrinology, 2022, 254, 169-184.	1.2	1
92	S1735 The Tumor Promoter Protein Tyrosine Phosphatase 1b (PTP1B) Is Overexpressed in Colon Mucosa During Colitis. Gastroenterology, 2009, 136, A-259.	0.6	0
93	Mitochondrial Respiration in Female Zucker Rats: Effects of Obesity and Short-Term Metformin Treatment. Current Developments in Nutrition, 2020, 4, nzaa063_080.	0.1	0
94	Increased Physical Activity During Early Life Exacerbates High Fat Diet-Induced Bone Loss in Adult Mice. Current Developments in Nutrition, 2020, 4, nzaa066_004.	0.1	0
95	Neonatal diet composition modulates ileum mitochondrial function in a neonatal pig model. FASEB Journal, 2017, 31, .	0.2	0
96	1333-P: Increased Spare Respiratory Capacity in Circulating Cells and Decreased Serum Antioxidant Defense Mechanisms in Obese Children. Diabetes, 2019, 68, 1333-P.	0.3	0
97	535-P: Neurotensin Improves Endothelial Progenitor Cell Function in Diabetic Wound Healing. Diabetes, 2020, 69, 535-P.	0.3	0
98	536-P: Protein Tyrosine Phosphatase 1B Inhibitor MSI-1436 Promotes M2 Macrophage Polarization and Decreases Oxidative Stress in Human Monocytes under High-Glucose Conditions. Diabetes, 2020, 69, .	0.3	0
99	Drug-induced metabolic alterations in adipose tissue - with an emphasis in epicardial adipose tissue. Anais Da Academia Brasileira De Ciencias, 2022, 94, .	0.3	0