

Carla Roberta Carvalho

List of Publications by Year in descending order

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111
papers

3,580
citations

126907

33
h-index

155660

55
g-index

113
all docs

113
docs citations

113
times ranked

4777
citing authors

#	ARTICLE	IF	CITATIONS
1	Pancreatic β -Cells Express Phagocyte-Like NAD(P)H Oxidase. <i>Diabetes</i> , 2003, 52, 1457-1463.	0.6	168
2	Cellular Mechanism by Which Estradiol Protects Female Ovariectomized Mice From High-Fat Diet-Induced Hepatic and Muscle Insulin Resistance. <i>Endocrinology</i> , 2013, 154, 1021-1028.	2.8	154
3	Pleiotropic effects of fatty acids on pancreatic β -cells. <i>Journal of Cellular Physiology</i> , 2003, 194, 1-12.	4.1	140
4	A High Fructose Diet Affects the Early Steps of Insulin Action in Muscle and Liver of Rats. <i>Journal of Nutrition</i> , 2000, 130, 1531-1535.	2.9	135
5	Insulin modulates leptin-induced STAT3 activation in rat hypothalamus. <i>FEBS Letters</i> , 2001, 500, 119-124.	2.8	122
6	Oxidative stress and inflammatory mediators contribute to endothelial dysfunction in high-fat diet-induced obesity in mice. <i>Journal of Hypertension</i> , 2010, 28, 2111-2119.	0.5	114
7	Novel Signal Transduction Pathway for Luteinizing Hormone and Its Interaction with Insulin: Activation of Janus Kinase/Signal Transducer and Activator of Transcription and Phosphoinositol 3-Kinase/Akt Pathways. <i>Endocrinology</i> , 2003, 144, 638-647.	2.8	112
8	Liraglutide modulates gut microbiota and reduces NAFLD in obese mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 62, 143-154.	4.2	109
9	Melatonin inhibits insulin secretion and decreases PKA levels without interfering with glucose metabolism in rat pancreatic islets. <i>Journal of Pineal Research</i> , 2002, 33, 156-160.	7.4	98
10	Endurance training improves responsiveness to insulin and modulates insulin signal transduction through the phosphatidylinositol 3-kinase/Akt-1 pathway. <i>European Journal of Endocrinology</i> , 2002, 147, 149-157.	3.7	94
11	In vivo activation of insulin receptor tyrosine kinase by melatonin in the rat hypothalamus. <i>Journal of Neurochemistry</i> , 2004, 90, 559-566.	3.9	92
12	New Insights into Fatty Acid Modulation of Pancreatic β -Cell Function. <i>International Review of Cytology</i> , 2006, 248, 1-41.	6.2	89
13	Insulin Induces Tyrosine Phosphorylation of JAK2 in Insulin-sensitive Tissues of the Intact Rat. <i>Journal of Biological Chemistry</i> , 1996, 271, 22100-22104.	3.4	84
14	Obesity induced by high-fat diet promotes insulin resistance in the ovary. <i>Journal of Endocrinology</i> , 2010, 206, 65-74.	2.6	83
15	Activation of insulin and IGF-1 signaling pathways by melatonin through MT1 receptor in isolated rat pancreatic islets. <i>Journal of Pineal Research</i> , 2008, 44, 88-94.	7.4	79
16	Effects of emotional intelligence on entrepreneurial intention and self-efficacy. <i>Revista De Psicologia Del Trabajo Y De Las Organizaciones</i> , 2014, 30, 97-104.	1.6	74
17	Angiotensin II induces tyrosine phosphorylation of insulin receptor substrate 1 and its association with phosphatidylinositol 3-kinase in rat heart. <i>Biochemical Journal</i> , 1995, 310, 741-744.	3.7	72
18	Dehydroepiandrosterone protects against oxidative stress-induced endothelial dysfunction in ovariectomized rats. <i>Journal of Physiology</i> , 2011, 589, 2585-2596.	2.9	65

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19	Melatonin improves insulin sensitivity independently of weight loss in old obese rats. <i>Journal of Pineal Research</i> , 2013, 55, 156-165.	7.4	65
20	Time-dependent effects of fatty acids on skeletal muscle metabolism. <i>Journal of Cellular Physiology</i> , 2007, 210, 7-15.	4.1	62
21	Growth Hormone Stimulates the Tyrosine Kinase Activity of JAK2 and Induces Tyrosine Phosphorylation of Insulin Receptor Substrates and Shc in Rat Tissues**This work was supported by Fundação de Amparo a Pesquisa do Estado de São Paulo and Conselho Nacional de Pesquisa (PRONEX).. <i>Endocrinology</i> , 1999, 140, 55-62.	2.8	57
22	A high-fructose diet induces insulin resistance but not blood pressure changes in normotensive rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2001, 34, 1155-1160.	1.5	56
23	Effect of chronic growth hormone treatment on insulin signal transduction in rat tissues. <i>Molecular and Cellular Endocrinology</i> , 1997, 130, 33-42.	3.2	54
24	Defects in insulin signal transduction in liver and muscle of pregnant rats. <i>Diabetologia</i> , 1997, 40, 179-186.	6.3	54
25	Modulation of IR/PTP1B interaction and downstream signaling in insulin sensitive tissues of MSG-rats. <i>Life Sciences</i> , 2003, 73, 1369-1381.	4.3	54
26	Effect of aging on insulin receptor, insulin receptor substrate-1, and phosphatidylinositol 3-kinase in liver and muscle of rats. <i>Endocrinology</i> , 1996, 137, 151-159.	2.8	45
27	Chronic resistance training decreases MuRF-1 and Atrogin-1 gene expression but does not modify Akt, GSK-3 β and p70S6K levels in rats. <i>European Journal of Applied Physiology</i> , 2009, 106, 415-423.	2.5	43
28	The phosphatidylinositol/AKT/atypical PKC pathway is involved in the improved insulin sensitivity by DHEA in muscle and liver of rats in vivo. <i>Life Sciences</i> , 2004, 76, 57-70.	4.3	42
29	Palmitate acutely raises glycogen synthesis in rat soleus muscle by a mechanism that requires its metabolism (Randle cycle). <i>FEBS Letters</i> , 2003, 541, 109-114.	2.8	41
30	Characterization of the insulin-signaling pathway in lacrimal and salivary glands of rats. <i>Current Eye Research</i> , 2000, 21, 833-842.	1.5	40
31	Modulation of Growth Hormone Signal Transduction in Kidneys of Streptozotocin-Induced Diabetic Animals: Effect of a Growth Hormone Receptor Antagonist. <i>Diabetes</i> , 2002, 51, 2270-2281.	0.6	37
32	Synthesis, biological, and theoretical evaluations of new 1,2,3-triazoles against the hemolytic profile of the Lachesis muta snake venom. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7429-7434.	3.0	36
33	Effect of captopril, losartan, and bradykinin on early steps of insulin action. <i>Diabetes</i> , 1997, 46, 1950-1957.	0.6	36
34	Increased tyrosine phosphorylation of band 3 in hemoglobinopathies. , 1998, 58, 224-230.		32
35	Insulin signalling in heart involves insulin receptor substrates-1 and -2, activation of phosphatidylinositol 3-kinase and the JAK 2-growth related pathway. <i>Cardiovascular Research</i> , 1998, 40, 96-102.	3.8	31
36	Specific detection of viable Salmonella Enteritidis by phage amplification combined with qPCR (PAA-qPCR) in spiked chicken meat samples. <i>Food Control</i> , 2019, 99, 79-83.	5.5	31

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37	Chronic low frequency/low volume resistance training reduces pro-inflammatory cytokine protein levels and TLR4 mRNA in rat skeletal muscle. <i>European Journal of Applied Physiology</i> , 2010, 109, 1095-1102.	2.5	29
38	Insulin temporal sensitivity and its signaling pathway in the rat pineal gland. <i>Life Sciences</i> , 2010, 87, 169-174.	4.3	29
39	Creatine-induced glucose uptake in type 2 diabetes: a role for AMPK- β ? <i>Amino Acids</i> , 2012, 43, 1803-1807.	2.7	29
40	Dehydroepiandrosterone increases β -cell mass and improves the glucose-induced insulin secretion by pancreatic islets from aged rats. <i>FEBS Letters</i> , 2006, 580, 285-290.	2.8	28
41	Reversal of denervation-induced insulin resistance by SHIP2 protein synthesis blockade. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E679-E687.	3.5	26
42	Uncaria tomentosa improves insulin sensitivity and inflammation in experimental NAFLD. <i>Scientific Reports</i> , 2018, 8, 11013.	3.3	25
43	Up-regulation of the phosphatidylinositol 3-kinase/protein kinase B pathway in the ovary of rats by chronic treatment with hCG and insulin. <i>Journal of Endocrinology</i> , 2006, 190, 451-459.	2.6	24
44	Diet-induced obesity impairs AKT signalling in the retina and causes retinal degeneration. <i>Cell Biochemistry and Function</i> , 2013, 31, 65-74.	2.9	24
45	Palmitate modulates the early steps of insulin signalling pathway in pancreatic islets. <i>FEBS Letters</i> , 2003, 544, 185-188.	2.8	23
46	Changes in dietary sodium consumption modulate GLUT4 gene expression and early steps of insulin signaling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R779-R785.	1.8	23
47	Involvement of Phosphatidylinositol-3 Kinase/AKT/PKC α /PI3 Pathway in the Effect of Palmitate on Glucose-Induced Insulin Secretion. <i>Pancreas</i> , 2008, 37, 309-315.	1.1	23
48	Effect of eccentric exercise velocity on akt/mtor/p70s6k signaling in human skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011, 36, 283-290.	1.9	23
49	Low proliferation capacity of lymphocytes from alloxan-diabetic rats. <i>Life Sciences</i> , 2002, 71, 2759-2771.	4.3	22
50	The influence of ageing on the insulin signalling system in rat lacrimal and salivary glands. <i>Acta Ophthalmologica</i> , 2003, 81, 639-645.	0.3	22
51	Distinct Regulation of IRS Proteins in Adipose Tissue from Obese Aged and Dexamethasone-Treated Rats. <i>Endocrine</i> , 2006, 29, 391-398.	2.2	22
52	ERK3 associates with MAP2 and is involved in glucose-induced insulin secretion. <i>Molecular and Cellular Endocrinology</i> , 2006, 251, 33-41.	3.2	21
53	Dose and Latency Effects of Leucine Supplementation in Modulating Glucose Homeostasis: Opposite Effects in Healthy and Glucocorticoid-Induced Insulin-Resistance States. <i>Nutrients</i> , 2012, 4, 1851-1867.	4.1	21
54	DHEA supplementation in ovariectomized rats reduces impaired glucose-stimulated insulin secretion induced by a high-fat diet. <i>FEBS Open Bio</i> , 2014, 4, 141-146.	2.3	20

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55	Regulation of IRS-1/SHP2 Interaction and AKT Phosphorylation in Animal Models of Insulin Resistance. <i>Endocrine</i> , 2002, 18, 01-12.	2.2	19
56	Role of fatty acids in the transition from anaerobic to aerobic metabolism in skeletal muscle during exercise. <i>Cell Biochemistry and Function</i> , 2006, 24, 475-481.	2.9	19
57	Insulin Induces Tyrosine Phosphorylation of Shc and Stimulates Shc/GRB2 Association in Insulin-Sensitive Tissues of the Intact Rat. <i>Endocrine</i> , 1998, 8, 193-200.	2.2	18
58	Growth Hormone Stimulates the Tyrosine Kinase Activity of JAK2 and Induces Tyrosine Phosphorylation of Insulin Receptor Substrates and Shc in Rat Tissues. <i>Endocrinology</i> , 1999, 140, 55-62.	2.8	18
59	Regulation of insulin-stimulated tyrosine phosphorylation of Shc and IRS-1 in the muscle of rats: effect of growth hormone and epinephrine. <i>FEBS Letters</i> , 1998, 421, 191-196.	2.8	17
60	Physical exercise and pancreatic islets. <i>Islets</i> , 2012, 4, 296-301.	1.8	17
61	Changes in the vascular β^2 -adrenoceptor-activated signalling pathway in 2Kidney-1Clip hypertensive rats. <i>British Journal of Pharmacology</i> , 2004, 141, 1151-1158.	5.4	15
62	Ouabain-induced hypertension enhances left ventricular contractility in rats. <i>Life Sciences</i> , 2006, 79, 1537-1545.	4.3	15
63	Persistent activation of Akt or ERK prevents the toxicity induced by saturated and polyunsaturated fatty acids in RINm5F β^2 -cells. <i>Toxicology in Vitro</i> , 2008, 22, 1018-1024.	2.4	15
64	Changes in food intake, metabolic parameters and insulin resistance are induced by an isoenergetic, medium-chain fatty acid diet and are associated with modifications in insulin signalling in isolated rat pancreatic islets. <i>British Journal of Nutrition</i> , 2013, 109, 2154-2165.	2.3	15
65	Dehydroepiandrosterone on metabolism and the cardiovascular system in the postmenopausal period. <i>Journal of Molecular Medicine</i> , 2020, 98, 39-57.	3.9	15
66	Alterations of NADPH Oxidase Activity in Rat Pancreatic Islets Induced by a High-Fat Diet. <i>Pancreas</i> , 2011, 40, 390-395.	1.1	14
67	Assessment of a coastal lagoon metal distribution through natural and anthropogenic processes (SE, Tj ETQq1 1 0,784314 rgBT /Over	5.0	14
68	Tissue-specific regulation of early steps in insulin action in septic rats. <i>Life Sciences</i> , 2001, 69, 2103-2112.	4.3	13
69	Postpartum glycemic homeostasis in early lactating rats is accompanied by transient and specific increase of soleus insulin response through IRS2/AKT pathway. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2225-R2233.	1.8	13
70	Angiotensin II induces superoxide generation via NAD(P)H oxidase activation in isolated rat pancreatic islets. <i>Regulatory Peptides</i> , 2009, 153, 1-6.	1.9	13
71	Leptin Modulates Norepinephrine-Mediated Melatonin Synthesis in Cultured Rat Pineal Gland. <i>BioMed Research International</i> , 2013, 2013, 1-8.	1.9	13
72	Modulation of early steps in insulin action in the liver and muscle of epinephrine treated rats. <i>Endocrine</i> , 1995, 3, 755-759.	2.3	11

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73	Effect of glucagon on insulin receptor substrate-1 (IRS-1) phosphorylation and association with phosphatidylinositol 3-kinase (PI 3-kinase). <i>FEBS Letters</i> , 1995, 370, 131-134.	2.8	10
74	The possible role of leucine in modulating glucose homeostasis under distinct catabolic conditions. <i>Medical Hypotheses</i> , 2012, 79, 883-888.	1.5	10
75	Dehydroepiandrosterone supplementation is not beneficial in the late postmenopausal period in diet-induced obese rats. <i>Life Sciences</i> , 2018, 202, 110-116.	4.3	10
76	Chronic treatment with dexamethasone alters clock gene expression and melatonin synthesis in rat pineal gland at night. <i>Nature and Science of Sleep</i> , 2018, Volume 10, 203-215.	2.7	10
77	A Guinea Pig Model of Airway Smooth Muscle Hyperreactivity Induced by Chronic Allergic Lung Inflammation: Contribution of Epithelium and Oxidative Stress. <i>Frontiers in Pharmacology</i> , 2019, 9, 1547.	3.5	10
78	Virtual Reality for Safe Testing and Development in Collaborative Robotics: Challenges and Perspectives. <i>Electronics (Switzerland)</i> , 2022, 11, 1726.	3.1	10
79	Small intestine remodeling in male Goto-Kakizaki rats. <i>Physiological Reports</i> , 2021, 9, e14755.	1.7	9
80	Antilomonic effects of Brazilian brown seaweed extracts. <i>Natural Product Communications</i> , 2009, 4, 1075-8.	0.5	9
81	Tissue-Specific Regulation of IRS-2/PI 3-Kinase Association in Aged Rats. <i>Biological Chemistry</i> , 2000, 381, 75-78.	2.5	8
82	Reference Gene and Protein Expression Levels in Two Different NAFLD Mouse Models. <i>Gastroenterology Research and Practice</i> , 2020, 2020, 1-7.	1.5	8
83	Effect of thiopental, pentobarbital and diethyl ether on early steps of insulin action in liver and muscle of the intact rat. <i>Life Sciences</i> , 2005, 76, 2287-2297.	4.3	7
84	Topical Insulin Modulates Inflammatory and Proliferative Phases of Burn-Wound Healing in Diabetes-Induced Rats. <i>Biological Research for Nursing</i> , 2019, 21, 473-484.	1.9	7
85	Diabetes downregulates renal adenosine A2A receptors in an experimental model of hypertension. <i>PLoS ONE</i> , 2019, 14, e0217552.	2.5	7
86	Evidence for a direct effect of captopril on early steps of insulin action in BC3H-1 myocytes. <i>Metabolism: Clinical and Experimental</i> , 2003, 52, 273-278.	3.4	5
87	Palmitate Activates Insulin Signaling Pathway in Pancreatic Rat Islets. <i>Pancreas</i> , 2009, 38, 578-584.	1.1	5
88	Effects of hyperbaric oxygen therapy on wound healing in veterinary medicine: a pilot study. <i>Open Veterinary Journal</i> , 2021, 11, 544.	0.7	5
89	A comprehensive review on phytochemicals for fatty liver: are they potential adjuvants?. <i>Journal of Molecular Medicine</i> , 2022, 100, 411-425.	3.9	5
90	Whether or Not the Effects of Curcuma longa Supplementation Are Associated with Physical Exercises in T1DM and T2DM: A Systematic Review. <i>Nutrients</i> , 2021, 13, 124.	4.1	4

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91	Influence of Spinal Shock on the Neurorehabilitation of ANNPE Dogs. <i>Animals</i> , 2022, 12, 1557.	2.3	4
92	Angiotensin-converting enzyme inhibitor increases insulin-induced pp185 phosphorylation in liver and muscle of obese rats. <i>IUBMB Life</i> , 1998, 46, 259-266.	3.4	3
93	Regulation of Cardiac Jak-2 in Animal Models of Insulin Resistance. <i>IUBMB Life</i> , 2000, 49, 501-509.	3.4	3
94	G120K-PEG, a human GH antagonist, decreases GH signal transduction in the liver of mice. <i>Molecular and Cellular Endocrinology</i> , 2002, 192, 65-74.	3.2	3
95	Determinants of renal oxygen metabolism during low Na + diet: effect of angiotensin II AT 1 and aldosterone receptor blockade. <i>Journal of Physiology</i> , 2020, 598, 5573-5587.	2.9	3
96	The Influence of Aging in the Insulin-Signaling System in Rat Exocrine Glands. <i>Advances in Experimental Medicine and Biology</i> , 2002, 506, 27-31.	1.6	3
97	The insulin receptor substrate 1 associates with phosphotyrosine phosphatase SHPTP2 in liver and muscle of rats. <i>Brazilian Journal of Medical and Biological Research</i> , 1998, 31, 1409-1413.	1.5	2
98	Insulin signaling pathway in the masseter muscle of dexamethasone-treated rats. <i>Interventional Medicine & Applied Science</i> , 2018, 10, 226-232.	0.2	2
99	A influência dos familiares empresários no potencial empreendedor dos estudantes. <i>Psychologica</i> , 2019, 62, 207-231.	0.6	2
100	Dehydroepiandrosterone Increases Pancreatic Duodenal Homeobox-1 (PDX-1) and Reduces Cleaved Caspase-3 Protein Expression in Insulin-Secreting INS-1E Cells. <i>Research in Endocrinology</i> , 0, , 1-8.	0.0	2
101	Tissue-specific regulation of IRS-1 in unilaterally nephrectomized rats. <i>Brazilian Journal of Medical and Biological Research</i> , 1997, 30, 1163-1167.	1.5	1
102	Insulin receptor has tyrosine kinase activity toward Shc in rat liver. <i>Brazilian Journal of Medical and Biological Research</i> , 1998, 31, 1415-1419.	1.5	1
103	Statement of Retraction. Effect of Captopril, Losartan, and Bradykinin on Early Steps of Insulin Action. <i>Diabetes</i> 1997;46:1950-1957. DOI: 10.2337/diab.46.12.1950. <i>Diabetes</i> , 2016, 65, 1128-1128.	0.6	1
104	Disciplinary behavior of mothers of preschool children: Effects of maternal efficacy beliefs, children's gender and age, and mothers' education. <i>Estudos De Psicologia (Campinas)</i> , 2018, 35, 433-443.	0.8	1
105	Initial Steps of Insulin Action in Parotid Glands of Male Wistar Rats. <i>Cell Biochemistry and Biophysics</i> , 2021, , 1.	1.8	1
106	Cardiac AT1 Receptor-Dependent and IGF1 Receptor-Independent Signaling Is Activated by a Single Bout of Resistance Exercise. <i>Physiological Research</i> , 2017, 66, 1061-1065.	0.9	1
107	Effect of an Acute Bout of Eccentric Exercise at Different Velocities on Muscle Hypertrophy Signaling. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 293.	0.4	0
108	THE INFLUENCE OF AGING ON TYROSINE KINASE ACTIVITY IN THE INITIAL STEPS OF THE INSULIN SIGNALING SYSTEM IN RAT EXOCRINE GLANDS.. <i>Cornea</i> , 2000, 19, S117.	1.7	0

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109	EXERCISE-INDUCED CHANGES IN CARDIAC FUNCTION OF HYPERTENSIVE AND NORMOTENSIVE FEMALE RATS.. Journal of Hypertension, 2004, 22, S150.	0.5	0
110	EFFECT OF FATTY ACIDS ON METABOLISM IN SKELETAL MUSCLE CELLS: Randle cycle, insulin signalling and mitochondrial uncoupling. FASEB Journal, 2007, 21, A1423.	0.5	0
111	Comparison of PB CD34+ vs Hematopoietic Progenitor Cell Counts as Predictors of Successful PBPC Collections in Healthy Donors and Patients.. Blood, 2007, 110, 4914-4914.	1.4	0