Carla Roberta Carvalho

List of Publications by Year
in descending order

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	A comprehensive review on phytochemicals for fatty liver: are they potential adjuvants?. Journal of Molecular Medicine, 2022, 100, 411-425.	3.9	5
2	Virtual Reality for Safe Testing and Development in Collaborative Robotics: Challenges and Perspectives. Electronics (Switzerland), 2022, 11, 1726.	3.1	10
3	Influence of Spinal Shock on the Neurorehabilitation of ANNPE Dogs. Animals, 2022, 12, 1557.	2.3	4
4	Small intestine remodeling in male Gotoâ€“Kakizaki rats. Physiological Reports, 2021, 9, e14755.	1.7	9
5	INitial Steps of Insulin Action in Parotid Glands of Male Wistar Rats. Cell Biochemistry and Biophysics, 2021, , 1.	1.8	1
6	Whether or Not the Effects of Curcuma longa Supplementation Are Associated with Physical Exercises in T1DM and T2DM: A Systematic Review. Nutrients, 2021, 13, 124.	4.1	4
7	Effects of hyperbaric oxygen therapy on wound healing in veterinary medicine: a pilot study. Open Veterinary Journal, 2021, 11, 544.	0.7	5
8	Dehydroepiandrosterone on metabolism and the cardiovascular system in the postmenopausal period. Journal of Molecular Medicine, 2020, 98, 39-57.	3.9	15
9	Determinants of renal oxygen metabolism during low Na + diet: effect of angiotensin II AT 1 and aldosterone receptor blockade. Journal of Physiology, 2020, 598, 5573-5587.	2.9	3
10	Reference Gene and Protein Expression Levels in Two Different NAFLD Mouse Models. Gastroenterology Research and Practice, 2020, 2020, 1-7.	1.5	8
11	Assessment of a coastal lagoon metal distribution through natural and anthropogenic processes (SE,) Tj ETQq1 1 0.784314 rgBT /Ove	5.0	14
12	Topical Insulin Modulates Inflammatory and Proliferative Phases of Burn-Wound Healing in Diabetes-Induced Rats. Biological Research for Nursing, 2019, 21, 473-484.	1.9	7
13	Diabetes downregulates renal adenosine A2A receptors in an experimental model of hypertension. PLoS ONE, 2019, 14, e0217552.	2.5	7
14	A Guinea Pig Model of Airway Smooth Muscle Hyperreactivity Induced by Chronic Allergic Lung Inflammation: Contribution of Epithelium and Oxidative Stress. Frontiers in Pharmacology, 2019, 9, 1547.	3.5	10
15	Specific detection of viable Salmonella Enteritidis by phage amplification combined with qPCR (PAA-qPCR) in spiked chicken meat samples. Food Control, 2019, 99, 79-83.	5.5	31
16	A influÃªncia dos familiares empresÃ¡rios no potencial empreendedor dos estudantes. Psychologica, 2019, 62, 207-231.	0.6	2
17	Dehydroepiandrosterone supplementation is not beneficial in the late postmenopausal period in diet-induced obese rats. Life Sciences, 2018, 202, 110-116.	4.3	10
18	Insulin signaling pathway in the masseter muscle of dexamethasone-treated rats. Interventional Medicine & Applied Science, 2018, 10, 226-232.	0.2	2

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19	Disciplinary behavior of mothers of preschool children: Effects of maternal effi cacy beliefs, childrenâ€™s gender and age, and mothersâ€™ education. Estudos De Psicologia (Campinas), 2018, 35, 433-443.	0.8	1
20	Chronic treatment with dexamethasone alters clock gene expression and melatonin synthesis in rat pineal gland at night. Nature and Science of Sleep, 2018, Volume 10, 203-215.	2.7	10
21	Uncaria tomentosa improves insulin sensitivity and inflammation in experimental NAFLD. Scientific Reports, 2018, 8, 11013.	3.3	25
22	Liraglutide modulates gut microbiota and reduces NAFLD in obese mice. Journal of Nutritional Biochemistry, 2018, 62, 143-154.	4.2	109
23	Cardiac AT1 Receptor-Dependent and IGF1 Receptor-Independent Signaling Is Activated by a Single Bout of Resistance Exercise. Physiological Research, 2017, 66, 1061-1065.	0.9	1
24	Statement of Retraction. Effect of Captopril, Losartan, and Bradykinin on Early Steps of Insulin Action. Diabetes 1997;46:1950â€“1957. DOI: 10.2337/diab.46.12.1950. Diabetes, 2016, 65, 1128-1128.	0.6	1
25	Effects of emotional intelligence on entrepreneurial intention and self-efficacy. Revista De Psicologia Del Trabajo Y De Las Organizaciones, 2014, 30, 97-104.	1.6	74
26	DHEA supplementation in ovariectomized rats reduces impaired glucoseâ€stimulated insulin secretion induced by a highâ€fat diet. FEBS Open Bio, 2014, 4, 141-146.	2.3	20
27	Melatonin improves insulin sensitivity independently of weight loss in old obese rats. Journal of Pineal Research, 2013, 55, 156-165.	7.4	65
28	Cellular Mechanism by Which Estradiol Protects Female Ovariectomized Mice From High-Fat Diet-Induced Hepatic and Muscle Insulin Resistance. Endocrinology, 2013, 154, 1021-1028.	2.8	154
29	Dietâ€induced obesity impairs AKT signalling in the retina and causes retinal degeneration. Cell Biochemistry and Function, 2013, 31, 65-74.	2.9	24
30	Leptin Modulates Norepinephrine-Mediated Melatonin Synthesis in Cultured Rat Pineal Gland. BioMed Research International, 2013, 2013, 1-8.	1.9	13
31	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. British Journal of Nutrition, 2013, 109, 2154-2165.	2.3	15
32	Physical exercise and pancreatic islets. Islets, 2012, 4, 296-301.	1.8	17
33	Creatine-induced glucose uptake in type 2 diabetes: a role for AMPK-Î±?. Amino Acids, 2012, 43, 1803-1807.	2.7	29
34	The possible role of leucine in modulating glucose homeostasis under distinct catabolic conditions. Medical Hypotheses, 2012, 79, 883-888.	1.5	10
35	Dose and Latency Effects of Leucine Supplementation in Modulating Glucose Homeostasis: Opposite Effects in Healthy and Glucocorticoid-Induced Insulin-Resistance States. Nutrients, 2012, 4, 1851-1867.	4.1	21
36	Effect of eccentric exercise velocity on akt/mtor/p70s6ksignaling in human skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2011, 36, 283-290.	1.9	23

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37	Alterations of NADPH Oxidase Activity in Rat Pancreatic Islets Induced by a High-Fat Diet. Pancreas, 2011, 40, 390-395.	1.1	14
38	Dehydroepiandrosterone protects against oxidative stressâ€induced endothelial dysfunction in ovariectomized rats. Journal of Physiology, 2011, 589, 2585-2596.	2.9	65
39	Oxidative stress and inflammatory mediators contribute to endothelial dysfunction in high-fat diet-induced obesity in mice. Journal of Hypertension, 2010, 28, 2111-2119.	0.5	114
40	Effect of an Acute Bout of Eccentric Exercise at Different Velocities on Muscle Hypertrophy Signaling. Medicine and Science in Sports and Exercise, 2010, 42, 293.	0.4	0
41	Chronic low frequency/low volume resistance training reduces pro-inflammatory cytokine protein levels and TLR4 mRNA in rat skeletal muscle. European Journal of Applied Physiology, 2010, 109, 1095-1102.	2.5	29
42	Obesity induced by high-fat diet promotes insulin resistance in the ovary. Journal of Endocrinology, 2010, 206, 65-74.	2.6	83
43	Insulin temporal sensitivity and its signaling pathway in the rat pineal gland. Life Sciences, 2010, 87, 169-174.	4.3	29
44	Chronic resistance training decreases MuRF-1 and Atrogin-1 gene expression but does not modify Akt, GSK-3Î² and p70S6K levels in rats. European Journal of Applied Physiology, 2009, 106, 415-423.	2.5	43
45	Synthesis, biological, and theoretical evaluations of new 1,2,3-triazoles against the hemolytic profile of the Lachesis muta snake venom. Bioorganic and Medicinal Chemistry, 2009, 17, 7429-7434.	3.0	36
46	Angiotensin II induces superoxide generation via NAD(P)H oxidase activation in isolated rat pancreatic islets. Regulatory Peptides, 2009, 153, 1-6.	1.9	13
47	Palmitate Activates Insulin Signaling Pathway in Pancreatic Rat Islets. Pancreas, 2009, 38, 578-584.	1.1	5
48	Antilonomic effects of Brazilian brown seaweed extracts. Natural Product Communications, 2009, 4, 1075-8.	0.5	9
49	Activation of insulin and IGFâ€1 signaling pathways by melatonin through MT1 receptor in isolated rat pancreatic islets. Journal of Pineal Research, 2008, 44, 88-94.	7.4	79
50	Persistent activation of Akt or ERK prevents the toxicity induced by saturated and polyunsaturated fatty acids in RINm5F Î²-cells. Toxicology in Vitro, 2008, 22, 1018-1024.	2.4	15
51	Involvement of Phosphatidylinositol-3 Kinase/AKT/PKCÎ¶/Î» Pathway in the Effect of Palmitate on Glucose-Induced Insulin Secretion. Pancreas, 2008, 37, 309-315.	1.1	23
52	Postpartum glycemic homeostasis in early lactating rats is accompanied by transient and specific increase of soleus insulin response through IRS2/AKT pathway. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R2225-R2233.	1.8	13
53	Time-dependent effects of fatty acids on skeletal muscle metabolism. Journal of Cellular Physiology, 2007, 210, 7-15.	4.1	62
54	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

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55	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
56	Dehydroepiandrosterone increases Î²-cell mass and improves the glucose-induced insulin secretion by pancreatic islets from aged rats. FEBS Letters, 2006, 580, 285-290.	2.8	28
57	Ouabain-induced hypertension enhances left ventricular contractility in rats. Life Sciences, 2006, 79, 1537-1545.	4.3	15
58	ERK3 associates with MAP2 and is involved in glucose-induced insulin secretion. Molecular and Cellular Endocrinology, 2006, 251, 33-41.	3.2	21
59	Distinct Regulation of IRS Proteins in Adipose Tissue from Obese Aged and Dexamethasone-Treated Rats. Endocrine, 2006, 29, 391-398.	2.2	22
60	Role of fatty acids in the transition from anaerobic to aerobic metabolism in skeletal muscle during exercise. Cell Biochemistry and Function, 2006, 24, 475-481.	2.9	19
61	Up-regulation of the phosphatidylinositol 3-kinase/protein kinase B pathway in the ovary of rats by chronic treatment with hCG and insulin. Journal of Endocrinology, 2006, 190, 451-459.	2.6	24
62	New Insights into Fatty Acid Modulation of Pancreatic Î²â€€cell Function. International Review of Cytology, 2006, 248, 1-41.	6.2	89
63	Effect of thiopental, pentobarbital and diethyl ether on early steps of insulin action in liver and muscle of the intact rat. Life Sciences, 2005, 76, 2287-2297.	4.3	7
64	Changes in dietary sodium consumption modulate GLUT4 gene expression and early steps of insulin signaling. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R779-R785.	1.8	23
65	In vivo activation of insulin receptor tyrosine kinase by melatonin in the rat hypothalamus. Journal of Neurochemistry, 2004, 90, 559-566.	3.9	92
66	Changes in the vascular Î² -adrenoceptor-activated signalling pathway in 2Kidney-1Clip hypertensive rats. British Journal of Pharmacology, 2004, 141, 1151-1158.	5.4	15
67	The phosphatidylinositol/AKT/atypical PKC pathway is involved in the improved insulin sensitivity by DHEA in muscle and liver of rats in vivo. Life Sciences, 2004, 76, 57-70.	4.3	42
68	EXERCISE-INDUCED CHANGES IN CARDIAC FUNCTION OF HYPERTENSIVE AND NORMOTENSIVE FEMALE RATS.. Journal of Hypertension, 2004, 22, S150.	0.5	0
69	Pleiotropic effects of fatty acids on pancreatic Î²â€€cells. Journal of Cellular Physiology, 2003, 194, 1-12.	4.1	140
70	The influence of ageing on the insulin signalling system in rat lacrimal and salivary glands. Acta Ophthalmologica, 2003, 81, 639-645.	0.3	22
71	Palmitate acutely raises glycogen synthesis in rat soleus muscle by a mechanism that requires its metabolization (Randle cycle). FEBS Letters, 2003, 541, 109-114.	2.8	41
72	Palmitate modulates the early steps of insulin signalling pathway in pancreatic islets. FEBS Letters, 2003, 544, 185-188.	2.8	23

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73	Modulation of IR/PTP1B interaction and downstream signaling in insulin sensitive tissues of MSG-rats. Life Sciences, 2003, 73, 1369-1381.	4.3	54
74	Evidence for a direct effect of captopril on early steps of insulin action in BC3H-1 myocytes. Metabolism: Clinical and Experimental, 2003, 52, 273-278.	3.4	5
75	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. Endocrinology, 2003, 144, 638-647.	2.8	112
76	Pancreatic Â-Cells Express Phagocyte-Like NAD(P)H Oxidase. Diabetes, 2003, 52, 1457-1463.	0.6	168
77	Reversal of denervation-induced insulin resistance by SHIP2 protein synthesis blockade. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E679-E687.	3.5	26
78	Endurance training improves responsiveness to insulin and modulates insulin signal transduction through the phosphatidylinositol 3-kinase/Akt-1 pathway. European Journal of Endocrinology, 2002, 147, 149-157.	3.7	94
79	Modulation of Growth Hormone Signal Transduction in Kidneys of Streptozotocin-Induced Diabetic Animals: Effect of a Growth Hormone Receptor Antagonist. Diabetes, 2002, 51, 2270-2281.	0.6	37
80	Low proliferation capacity of lymphocytes from alloxan-diabetic rats. Life Sciences, 2002, 71, 2759-2771.	4.3	22
81	G120K-PEG, a human GH antagonist, decreases GH signal transduction in the liver of mice. Molecular and Cellular Endocrinology, 2002, 192, 65-74.	3.2	3
82	Melatonin inhibits insulin secretion and decreases PKA levels without interfering with glucose metabolism in rat pancreatic islets. Journal of Pineal Research, 2002, 33, 156-160.	7.4	98
83	Regulation of IRS-1/SHP2 Interaction and AKT Phosphorylation in Animal Models of Insulin Resistance. Endocrine, 2002, 18, 01-12.	2.2	19
84	The Influence of Aging in the Insulin-Signaling System in Rat Exocrine Glands. Advances in Experimental Medicine and Biology, 2002, 506, 27-31.	1.6	3
85	Insulin modulates leptinâ€induced STAT3 activation in rat hypothalamus. FEBS Letters, 2001, 500, 119-124.	2.8	122
86	Tissue-specific regulation of early steps in insulin action in septic rats. Life Sciences, 2001, 69, 2103-2112.	4.3	13
87	A high-fructose diet induces insulin resistance but not blood pressure changes in normotensive rats. Brazilian Journal of Medical and Biological Research, 2001, 34, 1155-1160.	1.5	56
88	Regulation of Cardiac Jak-2 in Animal Models of Insulin Resistance. IUBMB Life, 2000, 49, 501-509.	3.4	3
89	A High Fructose Diet Affects the Early Steps of Insulin Action in Muscle and Liver of Rats. Journal of Nutrition, 2000, 130, 1531-1535.	2.9	135
90	Tissue-Specific Regulation of IRS-2/PI 3-Kinase Association in Aged Rats. Biological Chemistry, 2000, 381, 75-78.	2.5	8

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91	Characterization of the insulin-signaling pathway in lacrimal and salivary glands of rats. Current Eye Research, 2000, 21, 833-842.	1.5	40
92	THE INFLUENCE OF AGING ON TYROSINE KINASE ACTIVITY IN THE INITIAL STEPS OF THE INSULIN SIGNALING SYSTEM IN RAT EXOCRINE GLANDS.. Cornea, 2000, 19, S117.	1.7	0
93	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 Fundaclèao de Amparo a Pesquisa do Estado de Saìfo Paulo and Conselho Nacional de Pesquisa (PRONEX).. Endocrinology, 1999, 140, 55-62.	2.8	57
94	Growth Hormone Stimulates the Tyrosine Kinase Activity of JAK2 and Induces Tyrosine Phosphorylation of Insulin Receptor Substrates and Shc in Rat Tissues. Endocrinology, 1999, 140, 55-62.	2.8	18
95	Insulin Induces Tyrosine Phosphorylation of Shc and Stimulates Shc/GRB2 Association in Insulin-Sensitive Tissues of the Intact Rat. Endocrine, 1998, 8, 193-200.	2.2	18
96	Angiotensinâ€converting enzyme inhibitor increases insulinâ€induced pp185 phosphorylation in liver and muscle of obese rats. IUBMB Life, 1998, 46, 259-266.	3.4	3
97	Increased tyrosine phosphorylation of band 3 in hemoglobinopathies. , 1998, 58, 224-230.		32
98	Regulation of insulin-stimulated tyrosine phosphorylation of Shc and IRS-1 in the muscle of rats: effect of growth hormone and epinephrine. FEBS Letters, 1998, 421, 191-196.	2.8	17
99	Insulin signalling in heart involves insulin receptor substrates-1 and -2, activation of phosphatidylinositol 3-kinase and the JAK 2-growth related pathway. Cardiovascular Research, 1998, 40, 96-102.	3.8	31
100	The insulin receptor substrate 1 associates with phosphotyrosine phosphatase SHPTP2 in liver and muscle of rats. Brazilian Journal of Medical and Biological Research, 1998, 31, 1409-1413.	1.5	2
101	Insulin receptor has tyrosine kinase activity toward Shc in rat liver. Brazilian Journal of Medical and Biological Research, 1998, 31, 1415-1419.	1.5	1
102	Effect of chronic growth hormone treatment on insulin signal transduction in rat tissues. Molecular and Cellular Endocrinology, 1997, 130, 33-42.	3.2	54
103	Tissue-specific regulation of IRS-1 in unilaterally nephrectomized rats. Brazilian Journal of Medical and Biological Research, 1997, 30, 1163-1167.	1.5	1
104	Defects in insulin signal transduction in liver and muscle of pregnant rats. Diabetologia, 1997, 40, 179-186.	6.3	54
105	Effect of captopril, losartan, and bradykinin on early steps of insulin action. Diabetes, 1997, 46, 1950-1957.	0.6	36
106	Insulin Induces Tyrosine Phosphorylation of JAK2 in Insulin-sensitive Tissues of the Intact Rat. Journal of Biological Chemistry, 1996, 271, 22100-22104.	3.4	84
107	Effect of aging on insulin receptor, insulin receptor substrate-1, and phosphatidylinositol 3-kinase in liver and muscle of rats. Endocrinology, 1996, 137, 151-159.	2.8	45
108	Angiotensin II induces tyrosine phosphorylation of insulin receptor substrate 1 and its association with phosphatidylinositol 3-kinase in rat heart. Biochemical Journal, 1995, 310, 741-744.	3.7	72

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109	Modulation of early steps in insulin action in the liver and muscle of epinephrine treated rats. Endocrine, 1995, 3, 755-759.	2.3	11
110	Effect of glucagon on insulin receptor substrate-1 (IRS-1) phosphorylation and association with phosphatidylinositol 3-kinase (PI 3-kinase). FEBS Letters, 1995, 370, 131-134.	2.8	10
111	Dehydroepiandrosterone Increases Pancreatic Duodenal Homebox-1 (PDX-1) and Reduces Cleaved Caspase-3 Protein Expression in Insulin-Secreting INS-1E Cells. Research in Endocrinology, 0, , 1-8.	0.0	2