

Alex Rafacho

List of Publications by Year in descending order

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84
papers

1,798
citations

279487

23
h-index

301761

39
g-index

85
all docs

85
docs citations

85
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucocorticoid treatment and endocrine pancreas function: implications for glucose homeostasis, insulin resistance and diabetes. <i>Journal of Endocrinology</i> , 2014, 223, R49-R62.	1.2	157
2	A role for the putative cannabinoid receptor GPR55 in the islets of Langerhans. <i>Journal of Endocrinology</i> , 2011, 211, 177-185.	1.2	104
3	High doses of dexamethasone induce increased β -cell proliferation in pancreatic rat islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E681-E689.	1.8	89
4	Impact of Glucocorticoid Excess on Glucose Tolerance: Clinical and Preclinical Evidence. <i>Metabolites</i> , 2016, 6, 24.	1.3	64
5	Functional Alterations in Endocrine Pancreas of Rats With Different Degrees of Dexamethasone-Induced Insulin Resistance. <i>Pancreas</i> , 2008, 36, 284-293.	0.5	62
6	Glucocorticoids in Vivo Induce Both Insulin Hypersecretion and Enhanced Glucose Sensitivity of Stimulus-Secretion Coupling in Isolated Rat Islets. <i>Endocrinology</i> , 2010, 151, 85-95.	1.4	62
7	Dexamethasone-induced insulin resistance is associated with increased connexin 36 mRNA and protein expression in pancreatic rat islets. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 536-545.	0.7	58
8	Morphofunctional Alterations in Endocrine Pancreas of Short- and Long-term Dexamethasone-treated Rats. <i>Hormone and Metabolic Research</i> , 2011, 43, 275-281.	0.7	57
9	Exercise training prevents hyperinsulinemia, muscular glycogen loss and muscle atrophy induced by dexamethasone treatment. <i>European Journal of Applied Physiology</i> , 2010, 108, 999-1007.	1.2	55
10	Glargine vs. NPH insulin therapy in pregnancies complicated by diabetes: An observational cohort study. <i>Diabetes Research and Clinical Practice</i> , 2010, 89, 46-51.	1.1	53
11	Increased pancreatic islet mass is accompanied by activation of the insulin receptor substrate-2/serine-threonine kinase pathway and augmented cyclin D ₂ protein levels in insulin-resistant rats. <i>International Journal of Experimental Pathology</i> , 2008, 89, 264-275.	0.6	45
12	High-Fat Diet Obesity Associated With Insulin Resistance Increases Cell Proliferation, Estrogen Receptor, and PI3K Proteins in Rat Ventral Prostate. <i>Journal of Andrology</i> , 2012, 33, 854-865.	2.0	42
13	Augmentation of insulin secretion by leucine supplementation in malnourished rats: possible involvement of the phosphatidylinositol 3-phosphate kinase/mammalian target protein of rapamycin pathway. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 635-644.	1.5	41
14	The adaptive compensations in endocrine pancreas from glucocorticoid-treated rats are reversible after the interruption of treatment. <i>Acta Physiologica</i> , 2010, 200, 223-235.	1.8	38
15	Implications of Palmitoleic Acid (Palmitoleate) On Glucose Homeostasis, Insulin Resistance and Diabetes. <i>Current Drug Targets</i> , 2017, 18, 619-628.	1.0	38
16	Prostate hyperplasia caused by long-term obesity is characterized by high deposition of extracellular matrix and increased content of MMP-9 and VEGF. <i>International Journal of Experimental Pathology</i> , 2015, 96, 21-30.	0.6	37
17	Hyperinsulinemia caused by dexamethasone treatment is associated with reduced insulin clearance and lower hepatic activity of insulin-degrading enzyme. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 155, 1-8.	1.2	34
18	Pancreatic Alpha-Cell Dysfunction Contributes to the Disruption of Glucose Homeostasis and Compensatory Insulin Hypersecretion in Glucocorticoid-Treated Rats. <i>PLoS ONE</i> , 2014, 9, e93531.	1.1	34

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19	Reduced Insulin Secretion in Protein Malnourished Mice Is Associated with Multiple Changes in the β -Cell Stimulus-Secretion Coupling. <i>Endocrinology</i> , 2010, 151, 3543-3554.	1.4	30
20	Rapid non-genomic regulation of Ca ²⁺ signals and insulin secretion by PPAR α ligands in mouse pancreatic islets of Langerhans. <i>Journal of Endocrinology</i> , 2009, 200, 127-138.	1.2	28
21	Dexamethasone treatment in vivo counteracts the functional pancreatic islet alterations caused by malnourishment in rats. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 617-624.	1.5	27
22	Glucose homeostasis in rats exposed to acute intermittent hypoxia. <i>Acta Physiologica</i> , 2013, 209, 77-89.	1.8	26
23	The cannabinoid ligand LH-21 reduces anxiety and improves glucose handling in diet-induced obese pre-diabetic mice. <i>Scientific Reports</i> , 2017, 7, 3946.	1.6	26
24	Involvement of the cholinergic pathway in glucocorticoid-induced hyperinsulinemia in rats. <i>Diabetes Research and Clinical Practice</i> , 2010, 87, 184-191.	1.1	25
25	Augmented β -Cell Function and Mass in Glucocorticoid-Treated Rodents Are Associated with Increased Islet Ir- β /AKT/mTOR and Decreased AMPK/ACC and AS160 Signaling. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-14.	0.6	25
26	JNK and IKK β phosphorylation is reduced by glucocorticoids in adipose tissue from insulin-resistant rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 145, 1-12.	1.2	24
27	COX-2 promotes mammary adipose tissue inflammation, local estrogen biosynthesis, and carcinogenesis in high-sugar/fat diet treated mice. <i>Cancer Letters</i> , 2021, 502, 44-57.	3.2	24
28	Leucine Supplementation Augments Insulin Secretion in Pancreatic Islets of Malnourished Mice. <i>Pancreas</i> , 2010, 39, 847-855.	0.5	23
29	Endurance training stimulates growth and survival pathways and the redox balance in rat pancreatic islets. <i>Journal of Applied Physiology</i> , 2012, 112, 711-718.	1.2	23
30	A high-fat diet fed during different periods of life impairs steroidogenesis of rat Leydig cells. <i>Reproduction</i> , 2016, 152, 795-808.	1.1	22
31	The Atypical Cannabinoid Abn-CBD Reduces Inflammation and Protects Liver, Pancreas, and Adipose Tissue in a Mouse Model of Prediabetes and Non-alcoholic Fatty Liver Disease. <i>Frontiers in Endocrinology</i> , 2020, 11, 103.	1.5	22
32	Liraglutide counteracts obesity and glucose intolerance in a mouse model of glucocorticoid-induced metabolic syndrome. <i>Diabetology and Metabolic Syndrome</i> , 2014, 6, 3.	1.2	21
33	Insulin and glucose sensitivity, insulin secretion and β -cell distribution in endocrine pancreas of the fruit bat <i>Artibeus lituratus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 157, 142-148.	0.8	20
34	Reduced glucose-induced insulin secretion in low-protein-fed rats is associated with altered pancreatic islets redox status. <i>Journal of Cellular Physiology</i> , 2018, 233, 486-496.	2.0	20
35	INGAP-PP up-regulates the expression of genes and proteins related to K ⁺ ATP channels and ameliorates Ca ²⁺ handling in cultured adult rat islets. <i>Regulatory Peptides</i> , 2008, 148, 39-45.	1.9	18
36	Decrement in resting and insulin-stimulated soleus muscle mitochondrial respiration is an early event in diet-induced obesity in mice. <i>Experimental Physiology</i> , 2019, 104, 306-321.	0.9	18

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37	Age- and gender-related changes in glucose homeostasis in glucocorticoid-treated rats. Canadian Journal of Physiology and Pharmacology, 2014, 92, 867-878.	0.7	17
38	Fish oil supplementation attenuates changes in plasma lipids caused by dexamethasone treatment in rats. Applied Physiology, Nutrition and Metabolism, 2016, 41, 382-390.	0.9	17
39	Dexamethasone during pregnancy impairs maternal pancreatic β -cell renewal during lactation. Endocrine Connections, 2019, 8, 120-131.	0.8	17
40	Glucose intolerance induced by glucocorticoid excess is further impaired by co-administration with β -hydroxy- β -methylbutyrate in rats. Applied Physiology, Nutrition and Metabolism, 2013, 38, 1137-1146.	0.9	16
41	Dexamethasone Administration During Late Gestation Has No Major Impact on Lipid Metabolism, but Reduces Newborn Survival Rate in Wistar Rats. Frontiers in Physiology, 2018, 9, 783.	1.3	16
42	Association between different levels of dysglycemia and metabolic syndrome in pregnancy. Diabetology and Metabolic Syndrome, 2009, 1, 3.	1.2	14
43	Glucose homeostasis in rats treated with 4-vinylcyclohexene diepoxide is not worsened by dexamethasone treatment. Journal of Steroid Biochemistry and Molecular Biology, 2017, 165, 170-181.	1.2	14
44	Glucose homeostasis in two degrees of sepsis lethality induced by caecum ligation and puncture in mice. International Journal of Experimental Pathology, 2017, 98, 329-340.	0.6	13
45	Reduced pancreatic β -cell mass is associated with decreased FoxO1 and Erk1/2 protein phosphorylation in low-protein malnourished rats. Brazilian Journal of Medical and Biological Research, 2009, 42, 935-941.	0.7	13
46	Tissue integrity, costs and time associated with different agents for histological bone preparation. Microscopy Research and Technique, 2017, 80, 344-349.	1.2	12
47	Chronic Metabolic Derangement-Induced Cognitive Deficits and Neurotoxicity Are Associated with REST Inactivation. Molecular Neurobiology, 2019, 56, 1539-1557.	1.9	12
48	Cellular changes in the prostatic stroma of glucocorticoid-treated rats. Cell and Tissue Research, 2008, 332, 499-508.	1.5	11
49	Impact of different fructose concentrations on metabolic and behavioral parameters of male and female mice. Physiology and Behavior, 2021, 228, 113187.	1.0	11
50	Functional and Structural Adaptations in the Pancreatic β -Cell and Changes in Glucagon Signaling During Protein Malnutrition. Endocrinology, 2012, 153, 1663-1672.	1.4	10
51	Neonatal overnutrition programming impairs cholecystokinin effects in adult male rats. Journal of Nutritional Biochemistry, 2020, 86, 108494.	1.9	9
52	Long-term dexamethasone treatment alters the histomorphology of acinar cells in rat parotid and submandibular glands. International Journal of Experimental Pathology, 2014, 95, 351-363.	0.6	8
53	Enriched environment ameliorates dexamethasone effects on emotional reactivity and metabolic parameters in mice. Stress, 2020, 23, 466-473.	0.8	8
54	The Effects of Aging on Male Mouse Pancreatic β -Cell Function Involve Multiple Events in the Regulation of Secretion: Influence of Insulin Sensitivity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 405-415.	1.7	8

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55	Impact of Fish Oil Supplementation and Interruption of Fructose Ingestion on Glucose and Lipid Homeostasis of Rats Drinking Different Concentrations of Fructose. <i>BioMed Research International</i> , 2017, 2017, 1-16.	0.9	7
56	Leucine increases muscle mitochondrial respiration and attenuates glucose intolerance in diet-induced obesity in Swiss mice. <i>Journal of Functional Foods</i> , 2019, 62, 103544.	1.6	7
57	Glucose Homeostasis Is Not Affected in a Murine Model of Parkinson's Disease Induced by 6-OHDA. <i>Frontiers in Neuroscience</i> , 2018, 12, 1020.	1.4	7
58	Disruption of glucose tolerance caused by glucocorticoid excess in rats is partially prevented, but not attenuated, by arjunolic acid. <i>Indian Journal of Experimental Biology</i> , 2014, 52, 972-82.	0.5	7
59	Impact of glucocorticoid treatment before pregnancy on glucose homeostasis of offspring exposed to glucocorticoid in adult life. <i>Life Sciences</i> , 2019, 237, 116913.	2.0	6
60	Insulin signaling proteins in pancreatic islets of insulin-resistant rats induced by glucocorticoid. <i>Biological Research</i> , 2011, 44, 251-257.	1.5	5
61	Cortistatin regulates glucose-induced electrical activity and insulin secretion in mouse pancreatic beta-cells. <i>Molecular and Cellular Endocrinology</i> , 2019, 479, 123-132.	1.6	5
62	Regulation of Glucocorticoid Receptor Signaling and the Diabetogenic Effects of Glucocorticoid Excess. , 0, , .		4
63	Functional and Molecular Aspects of Glucocorticoids in the Endocrine Pancreas and Glucose Homeostasis. , 2012, , .		4
64	Impact of combined long-term fructose and prednisolone intake on glucose and lipid homeostasis in rats: benefits of intake interruption or fish oil administration. <i>Journal of Nutritional Biochemistry</i> , 2021, 90, 108572.	1.9	4
65	Reduced insulin sensitivity and increased β cell mass is associated with reduced hepatic insulin-degrading enzyme activity in pregnant rats. <i>Life Sciences</i> , 2021, 277, 119509.	2.0	3
66	Maternal vitamin D administration attenuates metabolic disturbances induced by prenatal exposure to dexamethasone in a sex-dependent manner. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 212, 105941.	1.2	3
67	Insulin signaling proteins in pancreatic islets of insulin-resistant rats induced by glucocorticoid. <i>Biological Research</i> , 2011, 44, 251-7.	1.5	3
68	Higher Insulin Sensitivity and Impaired Insulin Secretion in Cachectic Solid Ehrlich Tumour-Bearing Mice. <i>Hormone and Metabolic Research</i> , 2014, 46, 615-620.	0.7	2
69	Gestational exposure to excessive levels of dexamethasone impairs maternal care and impacts on the offspring's survival in rats. <i>Life Sciences</i> , 2021, 264, 118599.	2.0	2
70	Excess of glucocorticoids during late gestation impairs the recovery of offspring's β cell function after a postnatal injury. <i>FASEB Journal</i> , 2021, 35, e21828.	0.2	2
71	Coadministration of sitagliptin or metformin has no major impact on the adverse metabolic outcomes induced by dexamethasone treatment in rats. <i>Life Sciences</i> , 2021, 286, 120026.	2.0	2
72	Antidepressant-like activity of gestational administration of vitamin D is suppressed by prenatal overexposure to dexamethasone in female Wistar rats. <i>Physiology and Behavior</i> , 2022, 249, 113765.	1.0	2

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73	Cortistatin hyperpolarizes pancreatic beta cell membrane and reduces glucose-stimulated insulin secretion. <i>Diabetology and Metabolic Syndrome</i> , 2015, 7, .	1.2	1
74	Evaluation of lipid homeostasis in the late gestational period of rats exposed to dexamethasone. <i>Diabetology and Metabolic Syndrome</i> , 2015, 7, A74.	1.2	1
75	Prevention of Elevation in Plasma Triacylglycerol with High-Dose Bezafibrate Treatment Abolishes Insulin Resistance and Attenuates Glucose Intolerance Induced by Short-Term Treatment with Dexamethasone in Rats. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-12.	0.6	1
76	How much we know about the attenuation of insulin signaling in the adipose tissue caused by glucocorticoid treatment?. <i>Inflammation and Cell Signaling</i> , 0, , .	1.6	1
77	Pep19 Has a Positive Effect on Insulin Sensitivity and Ameliorates Both Hepatic and Adipose Tissue Phenotype of Diet-Induced Obese Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4082.	1.8	1
78	Response to Pantalone, Agarwal and Faiman "Glargine versus NPH insulin therapy in pregnancies complicated by diabetes: An observational cohort study". <i>Diabetes Research and Clinical Practice</i> , 2011, 93, e11.	1.1	0
79	Effects of glucocorticoids and exercise on pancreatic β -cell function and diabetes development: comments on Beaudry and Riddell. <i>Diabetes/Metabolism Research and Reviews</i> , 2014, 30, 120-121.	1.7	0
80	TISSUE INTEGRITY AND TIME ASSOCIATED WITH DIFFERENT AGENTS FOR BONE DEMINERALIZATION. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 124, e132.	0.2	0
81	Canagliflozin in the treatment of diabetes: Perspectives. <i>Diabetes</i> , 2015, 1, 7.	0.1	0
82	SAT-162 Hepatocyte Nuclear Factor-4 α (HNF4 α) as a Target to Treat DM. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	0
83	SAT-149 The Metabolic Impairments Caused by Fructose and Prednisolone Intake Are Reversible After the Interruption of Exposure. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	0
84	The effects of macronutrients composition on hormones and substrates during a meal tolerance test in drug-naive and sitagliptin-treated individuals with type 2 diabetes: a randomized crossover study. <i>Archives of Endocrinology and Metabolism</i> , 2022, , .	0.3	0