

# Jos C Rosa Neto

## List of Publications by Citations

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102  
papers

2,420  
citations

31  
h-index

44  
g-index

112  
ext. papers

2,856  
ext. citations

4.7  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
102	Dietary whey protein lessens several risk factors for metabolic diseases: a review. <i>Lipids in Health and Disease</i> , <b>2012</b> , 11, 67	4.4	107
101	Exercise training changes IL-10/TNF-alpha ratio in the skeletal muscle of post-MI rats. <i>Cytokine</i> , <b>2010</b> , 49, 102-8	4	90
100	Endurance training induces depot-specific changes in IL-10/TNF-alpha ratio in rat adipose tissue. <i>Cytokine</i> , <b>2009</b> , 45, 80-5	4	81
99	Palmitoleate attenuates diet induced insulin resistance and hepatic inflammation independently of PPAR- $\alpha$ . <i>Cancer &amp; Metabolism</i> , <b>2014</b> , 2,	5.4	78
98	Endotoxin levels correlate positively with a sedentary lifestyle and negatively with highly trained subjects. <i>Lipids in Health and Disease</i> , <b>2010</b> , 9, 82	4.4	66
97	Both adiponectin and interleukin-10 inhibit LPS-induced activation of the NF- $\kappa$ B pathway in 3T3-L1 adipocytes. <i>Cytokine</i> , <b>2012</b> , 57, 98-106	4	65
96	Green tea extract supplementation induces the lipolytic pathway, attenuates obesity, and reduces low-grade inflammation in mice fed a high-fat diet. <i>Mediators of Inflammation</i> , <b>2013</b> , 2013, 635470	4.3	64
95	Exhaustive exercise causes an anti-inflammatory effect in skeletal muscle and a pro-inflammatory effect in adipose tissue in rats. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 106, 697-704	3.4	61
94	$\beta$ -Hydroxy- $\beta$ -methylbutyrate (HMB) supplementation stimulates skeletal muscle hypertrophy in rats via the mTOR pathway. <i>Nutrition and Metabolism</i> , <b>2011</b> , 8, 11	4.6	60
93	Supplementing alpha-tocopherol (vitamin E) and vitamin D3 in high fat diet decrease IL-6 production in murine epididymal adipose tissue and 3T3-L1 adipocytes following LPS stimulation. <i>Lipids in Health and Disease</i> , <b>2011</b> , 10, 37	4.4	56
92	Regulation of inflammation in the adipose tissue in cancer cachexia: effect of exercise. <i>Cell Biochemistry and Function</i> , <b>2009</b> , 27, 71-5	4.2	56
91	Chronic exercise decreases cytokine production in healthy rat skeletal muscle. <i>Cell Biochemistry and Function</i> , <b>2009</b> , 27, 458-61	4.2	55
90	Is Palmitoleic Acid a Plausible Nonpharmacological Strategy to Prevent or Control Chronic Metabolic and Inflammatory Disorders?. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, 1700504	5.9	53
89	Doxorubicin caused severe hyperglycaemia and insulin resistance, mediated by inhibition in AMPk signalling in skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2016</b> , 7, 615-625	10.3	53
88	Exercise training as treatment in cancer cachexia. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 679-86	3	53
87	Intake of trans fatty acids during gestation and lactation leads to hypothalamic inflammation via TLR4/NF $\kappa$ Bp65 signaling in adult offspring. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 265-71	6.3	49
86	Yerba mate extract ( <i>Ilex paraguariensis</i> ) attenuates both central and peripheral inflammatory effects of diet-induced obesity in rats. <i>Journal of Nutritional Biochemistry</i> , <b>2013</b> , 24, 809-18	6.3	45

85	Visceral fat decreased by long-term interdisciplinary lifestyle therapy correlated positively with interleukin-6 and tumor necrosis factor- $\alpha$ and negatively with adiponectin levels in obese adolescents. <i>Metabolism: Clinical and Experimental</i> , <b>2011</b> , 60, 359-65	12.7	45
84	Inflammation and adipose tissue: effects of progressive load training in rats. <i>Lipids in Health and Disease</i> , <b>2010</b> , 9, 109	4.4	40
83	Palmitoleic acid (n-7) attenuates the immunometabolic disturbances caused by a high-fat diet independently of PPAR $\alpha$ . <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 582197	4.3	39
82	Chronic resistance training decreases MuRF-1 and Atrogin-1 gene expression but does not modify Akt, GSK-3 $\beta$ and p70S6K levels in rats. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 106, 415-23	3.4	38
81	Exercise training decreases adipose tissue inflammation in cachectic rats. <i>Hormone and Metabolic Research</i> , <b>2012</b> , 44, 91-8	3.1	38
80	Palmitoleic Acid Improves Metabolic Functions in Fatty Liver by PPAR $\alpha$ -Dependent AMPK Activation. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 2168-2177	7	37
79	White adipose tissue cells and the progression of cachexia: inflammatory pathways. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2016</b> , 7, 193-203	10.3	37
78	Palmitoleic Acid has Stronger Anti-Inflammatory Potential in Human Endothelial Cells Compared to Oleic and Palmitic Acids. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1800322	5.9	35
77	Palmitoleic acid reduces the inflammation in LPS-stimulated macrophages by inhibition of NF $\kappa$ B, independently of PPARs. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2017</b> , 44, 566-575	3	34
76	Sedentary subjects have higher PAI-1 and lipoproteins levels than highly trained athletes. <i>Diabetology and Metabolic Syndrome</i> , <b>2010</b> , 2, 7	5.6	34
75	Depot-specific modulation of adipokine levels in rat adipose tissue by diet-induced obesity: the effect of aerobic training and energy restriction. <i>Cytokine</i> , <b>2010</b> , 52, 168-74	4	33
74	Impact of long-term high-intensity interval and moderate-intensity continuous training on subclinical inflammation in overweight/obese adults. <i>Journal of Exercise Rehabilitation</i> , <b>2016</b> , 12, 575-580 <sup>1.8</sup>		33
73	mTORC1 inhibition with rapamycin exacerbates adipose tissue inflammation in obese mice and dissociates macrophage phenotype from function. <i>Immunobiology</i> , <b>2017</b> , 222, 261-271	3.4	32
72	Interleukin-10 responses from acute exercise in healthy subjects: A systematic review. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 9956-9965	7	31
71	Neurolysin knockout mice generation and initial phenotype characterization. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 15426-40	5.4	30
70	The therapeutic potential of exercise to treat cachexia. <i>Current Opinion in Supportive and Palliative Care</i> , <b>2015</b> , 9, 317-24	2.6	29
69	Hypothalamic inflammation is reversed by endurance training in anorectic-cachectic rats. <i>Nutrition and Metabolism</i> , <b>2011</b> , 8, 60	4.6	29
68	Importance of exercise immunology in health promotion. <i>Amino Acids</i> , <b>2011</b> , 41, 1165-72	3.5	28

67	Macrophage Polarization: Implications on Metabolic Diseases and the Role of Exercise. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2016</b> , 26, 115-32	1.3	28
66	Gut-central nervous system axis is a target for nutritional therapies. <i>Nutrition Journal</i> , <b>2012</b> , 11, 22	4.3	26
65	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> , <b>2010</b> , 109, 1095-1024	3.4	26
64	Sleep deprivation affects inflammatory marker expression in adipose tissue. <i>Lipids in Health and Disease</i> , <b>2010</b> , 9, 125	4.4	25
63	High-fat diets rich in soy or fish oil distinctly alter hypothalamic insulin signaling in rats. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 822-8	6.3	24
62	Impact of Doxorubicin Treatment on the Physiological Functions of White Adipose Tissue. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151548	3.7	24
61	Nutrients, immune system, and exercise: Where will it take us?. <i>Nutrition</i> , <b>2019</b> , 61, 151-156	4.8	24
60	Long-term interdisciplinary therapy reduces endotoxin level and insulin resistance in obese adolescents. <i>Nutrition Journal</i> , <b>2012</b> , 11, 74	4.3	22
59	High-fat fish oil diet prevents hypothalamic inflammatory profile in rats. <i>ISRN Inflammation</i> , <b>2013</b> , 2013, 419823		22
58	Anti-inflammatory response to acute exercise is related with intensity and physical fitness. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 5333-5342	4.7	22
57	Association Between Aerobic Exercise and Rosiglitazone Avoided the NAFLD and Liver Inflammation Exacerbated in PPAR- $\gamma$ Knockout Mice. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 1008-1019	7	20
56	Aerobic Exercise Modulates the Free Fatty Acids and Inflammatory Response During Obesity and Cancer Cachexia. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2016</b> , 26, 187-98	1.3	20
55	Acerola ( <i>Malpighia emarginata</i> DC.) juice intake protects against alterations to proteins involved in inflammatory and lipolysis pathways in the adipose tissue of obese mice fed a cafeteria diet. <i>Lipids in Health and Disease</i> , <b>2014</b> , 13, 24	4.4	20
54	Exhaustive exercise increases inflammatory response via Toll like receptor-4 and NF- $\kappa$ Bp65 pathway in rat adipose tissue. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 1604-7	7	20
53	Sunflower oil supplementation has proinflammatory effects and does not reverse insulin resistance in obesity induced by high-fat diet in C57BL/6 mice. <i>Journal of Biomedicine and Biotechnology</i> , <b>2012</b> , 2012, 945131		18
52	Regulation of Metabolic Disease-Associated Inflammation by Nutrient Sensors. <i>Mediators of Inflammation</i> , <b>2018</b> , 2018, 8261432	4.3	17
51	Exercise training reduces PGE2 levels and induces recovery from steatosis in tumor-bearing rats. <i>Hormone and Metabolic Research</i> , <b>2010</b> , 42, 944-9	3.1	17
50	Aerobic exercise, but not metformin, prevents reduction of muscular performance by AMPk activation in mice on doxorubicin chemotherapy. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 9652-9662	7	16

49	Macadamia oil supplementation attenuates inflammation and adipocyte hypertrophy in obese mice. <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 870634	4.3	14
48	Modulation of inflammatory response arising from high-intensity intermittent and concurrent strength training in physically active males. <i>Cytokine</i> , <b>2017</b> , 91, 104-109	4	13
47	Metformin Mitigates Fibrosis and Glucose Intolerance Induced by Doxorubicin in Subcutaneous Adipose Tissue. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 452	5.6	13
46	Inflammatory features of obesity and smoke exposure and the immunologic effects of exercise. <i>Exercise Immunology Review</i> , <b>2019</b> , 25, 96-111	8.6	13
45	Celecoxib and Ibuprofen Restore the ATP Content and the Gluconeogenesis Activity in the Liver of Walker-256 Tumor-Bearing Rats. <i>Cellular Physiology and Biochemistry</i> , <b>2015</b> , 36, 1659-69	3.9	12
44	Exercise rescues the immune response fine-tuned impaired by peroxisome proliferator-activated receptors $\beta$ deletion in macrophages. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 5241-5251	7	12
43	Exercise-induced AMPK activation and IL-6 muscle production are disturbed in adiponectin knockout mice. <i>Cytokine</i> , <b>2019</b> , 119, 71-80	4	11
42	Regulation of autophagy as a therapy for immunosenescence-driven cancer and neurodegenerative diseases: The role of exercise. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 14883	7	11
41	White adipose tissue IFN- $\beta$ expression and signalling along the progression of rodent cancer cachexia. <i>Cytokine</i> , <b>2017</b> , 89, 122-126	4	10
40	Short-term treatment with metformin reduces hepatic lipid accumulation but induces liver inflammation in obese mice. <i>Inflammopharmacology</i> , <b>2018</b> , 26, 1103-1115	5.1	10
39	Acute exhaustive exercise regulates IL-2, IL-4 and MyoD in skeletal muscle but not adipose tissue in rats. <i>Lipids in Health and Disease</i> , <b>2011</b> , 10, 97	4.4	10
38	Beta-Alanine Supplementation Improved 10-km Running Time Trial in Physically Active Adults. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1105	4.6	9
37	Conjugated Linoleic Acid: good or bad nutrient. <i>Diabetology and Metabolic Syndrome</i> , <b>2010</b> , 2, 62	5.6	9
36	Palmitoleic acid reduces high fat diet-induced liver inflammation by promoting PPAR- $\beta$ -dependent M2a polarization of myeloid cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2020</b> , 1865, 158776	5	9
35	Physical fitness status modulates the inflammatory proteins in peripheral blood and circulating monocytes: role of PPAR-gamma. <i>Scientific Reports</i> , <b>2020</b> , 10, 14094	4.9	9
34	Aerobic training improves NAFLD markers and insulin resistance through AMPK-PPAR- $\beta$ signaling in obese mice. <i>Life Sciences</i> , <b>2021</b> , 266, 118868	6.8	9
33	Effect of an acute moderate-exercise session on metabolic and inflammatory profile of PPAR- $\beta$ knockout mice. <i>Cell Biochemistry and Function</i> , <b>2017</b> , 35, 510-517	4.2	8
32	High- and moderate-intensity training modify LPS-induced ex-vivo interleukin-10 production in obese men in response to an acute exercise bout. <i>Cytokine</i> , <b>2020</b> , 136, 155249	4	8

31	Aging with rhythmicity. Is it possible? Physical exercise as a pacemaker. <i>Life Sciences</i> , <b>2020</b> , 261, 118453	6.8	8
30	Immunometabolic responses according to physical fitness status and lifelong exercise during aging: New roads for exercise immunology. <i>Ageing Research Reviews</i> , <b>2021</b> , 68, 101341	12	8
29	The Relevance of Thimet Oligopeptidase in the Regulation of Energy Metabolism and Diet-Induced Obesity. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
28	Renewed avenues through exercise muscle contractility and inflammatory status. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 584205	2.2	7
27	Exercise Reduces the Resumption of Tumor Growth and Proteolytic Pathways in the Skeletal Muscle of Mice Following Chemotherapy. <i>Cancers</i> , <b>2020</b> , 12,	6.6	7
26	PPAR-Dependent Modulation by Metformin of the Expression of OCT-2 and MATE-1 in the Kidney of Mice. <i>Molecules</i> , <b>2020</b> , 25,	4.8	6
25	Doxorubicin modulated clock genes and cytokines in macrophages extracted from tumor-bearing mice. <i>Cancer Biology and Therapy</i> , <b>2020</b> , 21, 344-353	4.6	6
24	Sleep pattern and locomotor activity are impaired by doxorubicin in non-tumor-bearing rats. <i>Sleep Science</i> , <b>2016</b> , 9, 232-235	1.8	6
23	Exercise intensity and physical fitness modulate lipoproteins profile during acute aerobic exercise session. <i>Scientific Reports</i> , <b>2020</b> , 10, 4160	4.9	5
22	Peptides from Natural or Rationally Designed Sources Can Be Used in Overweight, Obesity, and Type 2 Diabetes Therapies. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
21	Topiramate effects lipolysis in 3T3-L1 adipocytes. <i>Biomedical Reports</i> , <b>2015</b> , 3, 827-830	1.8	5
20	Genetic damage in multiple organs of acutely exercised rats. <i>Cell Biochemistry and Function</i> , <b>2010</b> , 28, 632-6	4.2	5
19	Pharmacological Strategies for Insulin Sensitivity in Obesity and Cancer: Thiazolidinediones and Metformin. <i>Current Pharmaceutical Design</i> , <b>2020</b> , 26, 932-945	3.3	5
18	Endurance Exercise Mitigates Immunometabolic Adipose Tissue Disturbances in Cancer and Obesity. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
17	Macrophage immunophenotype but not anti-inflammatory profile is modulated by peroxisome proliferator-activated receptor gamma (PPAR $\gamma$ ) in exercised obese mice. <i>Exercise Immunology Review</i> , <b>2020</b> , 26, 10-22	8.6	5
16	Probiotic supplementation in marathonists and its impact on lymphocyte population and function after a marathon: a randomized placebo-controlled double-blind study. <i>Scientific Reports</i> , <b>2020</b> , 10, 18777	4.9	4
15	Tributylin in Inflammation: Does White Adipose Tissue Affect Colorectal Cancer?. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	4
14	Doxorubicin leads to impaired insulin signaling in skeletal muscle. <i>Cancer &amp; Metabolism</i> , <b>2014</b> , 2,	5.4	3

13	The Immunometabolic Roles of Various Fatty Acids in Macrophages and Lymphocytes. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
12	Muscle regeneration in adiponectin knockout mice showed early activation of anti-inflammatory response with perturbations in myogenesis. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 6183-6193	7	2
11	Improvement in the anti-inflammatory profile with lifelong physical exercise is related to clock genes expression in effector-memory CD4+ T cells in master athletes. <i>Exercise Immunology Review</i> , <b>2021</b> , 27, 67-83	8.6	2
10	Costly immunometabolic remodeling in disused muscle buildup through physical exercise.. <i>Acta Physiologica</i> , <b>2022</b> , e13782	5.6	1
9	Thromboinflammation and COVID-19: The Role of Exercise in the Prevention and Treatment. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 582824	5.4	1
8	Levels of cardiorespiratory fitness in men exerts strong impact on lymphocyte function after mitogen stimulation. <i>Journal of Applied Physiology</i> , <b>2021</b> , 130, 1133-1142	3.7	1
7	Sugar intake is correlated with adiposity and obesity indicators and sedentary lifestyle in Brazilian individuals with morbid obesity. <i>Nutricion Hospitalaria</i> , <b>2012</b> , 27, 1547-53	1	1
6	Moderate aerobic exercise-induced cytokines changes are disturbed in PPAR $\gamma$ knockout mice. <i>Cytokine</i> , <b>2020</b> , 134, 155207	4	0
5	Activation of the Adipose Tissue NLRP3 Inflammasome Pathway in Cancer Cachexia. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 729182	8.4	0
4	Exercise Training Protocols to Improve Obesity, Glucose Homeostasis, and Subclinical Inflammation. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2343, 119-145	1.4	0
3	Hypothalamic energy metabolism is impaired by doxorubicin independently of inflammation in non-tumour-bearing rats. <i>Cell Biochemistry and Function</i> , <b>2015</b> , 33, 394-7	4.2	
2	Probiotic Supplementation In Marathonists: The Effects On T-cell Population. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 663-664	1.2	
1	Immunometabolism-fit: How exercise and training can modify T cell and macrophage metabolism in health and disease.. <i>Exercise Immunology Review</i> , <b>2022</b> , 28, 29-46	8.6	