JosÃ© C Rosa Neto

List of Publications by Year
in descending order

111 papers	3,199 citations	117571 34 h-index	189801 50 g-index
112 all docs	112 docs citations	112 times ranked	5086 citing authors

#	Article	IF	Citations
1	Dietary whey protein lessens several risk factors for metabolic diseases: a review. Lipids in Health and Disease, 2012, 11, 67.	1.2	136
2	Exercise training changes IL-10/TNF-Î± ratio in the skeletal muscle of post-MI rats. Cytokine, 2010, 49, 102-108.	1.4	107
3	Endurance training induces depot-specific changes in IL-10/TNF-Î± ratio in rat adipose tissue. Cytokine, 2009, 45, 80-85.	1.4	89
4	Endotoxin levels correlate positively with a sedentary lifestyle and negatively with highly trained subjects. Lipids in Health and Disease, 2010, 9, 82.	1.2	85
5	Is Palmitoleic Acid a Plausible Nonpharmacological Strategy to Prevent or Control Chronic Metabolic and Inflammatory Disorders?. Molecular Nutrition and Food Research, 2018, 62, 1700504.	1.5	82
6	Doxorubicin caused severe hyperglycaemia and insulin resistance, mediated by inhibition in AMPk signalling in skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2016, 7, 615-625.	2.9	79
7	Exhaustive exercise causes an anti-inflammatory effect in skeletal muscle and a pro-inflammatory effect in adipose tissue in rats. European Journal of Applied Physiology, 2009, 106, 697-704.	1.2	76
8	Both adiponectin and interleukin-10 inhibit LPS-induced activation of the NF-Î²B pathway in 3T3-L1 adipocytes. Cytokine, 2012, 57, 98-106.	1.4	76
9	Î²-Hydroxy-Î²-methylbutyrate (HMÎ²) supplementation stimulates skeletal muscle hypertrophy in rats via the mTOR pathway. Nutrition and Metabolism, 2011, 8, 11.	1.3	70
10	Green Tea Extract Supplementation Induces the Lipolytic Pathway, Attenuates Obesity, and Reduces Low-Grade Inflammation in Mice Fed a High-Fat Diet. Mediators of Inflammation, 2013, 2013, 1-8.	1.4	70
11	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. Lipids in Health and Disease, 2011, 10, 37.	1.2	69
12	Regulation of inflammation in the adipose tissue in cancer cachexia: effect of exercise. Cell Biochemistry and Function, 2009, 27, 71-75.	1.4	68
13	Chronic exercise decreases cytokine production in healthy rat skeletal muscle. Cell Biochemistry and Function, 2009, 27, 458-461.	1.4	65
14	Exercise training as treatment in cancer cachexia. Applied Physiology, Nutrition and Metabolism, 2014, 39, 679-686.	0.9	64
15	Intake of trans fatty acids during gestation and lactation leads to hypothalamic inflammation via TLR4/NFÎºBp65 signaling in adult offspring. Journal of Nutritional Biochemistry, 2012, 23, 265-271.	1.9	59
16	Yerba mate extract (Ilex paraguariensis) attenuates both central and peripheral inflammatory effects of diet-induced obesity in rats. Journal of Nutritional Biochemistry, 2013, 24, 809-818.	1.9	59
17	Palmitoleic Acid has Stronger Antiâ€inflammatory Potential in Human Endothelial Cells Compared to Oleic and Palmitic Acids. Molecular Nutrition and Food Research, 2018, 62, e1800322.	1.5	59
18	Palmitoleic Acid (N-7) Attenuates the Immunometabolic Disturbances Caused by a High-Fat Diet Independently of PPARÎ±. Mediators of Inflammation, 2014, 2014, 1-12.	1.4	58

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19	Interleukinâ€10 responses from acute exercise in healthy subjects: A systematic review. Journal of Cellular Physiology, 2019, 234, 9956-9965.	2.0	58
20	Macrophage Polarization: Implications on Metabolic Diseases and the Role of Exercise. Critical Reviews in Eukaryotic Gene Expression, 2016, 26, 115-132.	0.4	57
21	Aerobic training improves NAFLD markers and insulin resistance through AMPK-PPAR-Î± signaling in obese mice. Life Sciences, 2021, 266, 118868.	2.0	57
22	Visceral fat decreased by long-term interdisciplinary lifestyle therapy correlated positively with interleukin-6 and tumor necrosis factorâ€“Î± and negatively with adiponectin levels in obese adolescents. Metabolism: Clinical and Experimental, 2011, 60, 359-365.	1.5	56
23	Palmitoleic acid reduces the inflammation in <scp>LPS</scp>â€stimulated macrophages by inhibition of <scp>NF</scp>ÎºB, independently of <scp>PPAR</scp>s. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 566-575.	0.9	54
24	Palmitoleic Acid Improves Metabolic Functions in Fatty Liver by PPARÎ±â€Dependent AMPK Activation. Journal of Cellular Physiology, 2017, 232, 2168-2177.	2.0	49
25	Inflammation and adipose tissue: effects of progressive load training in rats. Lipids in Health and Disease, 2010, 9, 109.	1.2	48
26	Impact of long-term high-intensity interval and moderate-intensity continuous training on subclinical inflammation in overweight/obese adults. Journal of Exercise Rehabilitation, 2016, 12, 575-580.	0.4	48
27	White adipose tissue cells and the progression of cachexia: inflammatory pathways. Journal of Cachexia, Sarcopenia and Muscle, 2016, 7, 193-203.	2.9	44
28	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.	1.2	43
29	Exercise Training Decreases Adipose Tissue Inflammation in Cachectic Rats. Hormone and Metabolic Research, 2012, 44, 91-98.	0.7	43
30	Neurolysin Knockout Mice Generation and Initial Phenotype Characterization. Journal of Biological Chemistry, 2014, 289, 15426-15440.	1.6	41
31	The therapeutic potential of exercise to treat cachexia. Current Opinion in Supportive and Palliative Care, 2015, 9, 317-324.	0.5	41
32	mTORC1 inhibition with rapamycin exacerbates adipose tissue inflammation in obese mice and dissociates macrophage phenotype from function. Immunobiology, 2017, 222, 261-271.	0.8	41
33	Sedentary subjects have higher PAI-1 and lipoproteins levels than highly trained athletes. Diabetology and Metabolic Syndrome, 2010, 2, 7.	1.2	39
34	Depot-specific modulation of adipokine levels in rat adipose tissue by diet-induced obesity: The effect of aerobic training and energy restriction. Cytokine, 2010, 52, 168-174.	1.4	38
35	Antiâ€inflammatory response to acute exercise is related with intensity and physical fitness. Journal of Cellular Biochemistry, 2019, 120, 5333-5342.	1.2	37
36	Impact of Doxorubicin Treatment on the Physiological Functions of White Adipose Tissue. PLoS ONE, 2016, 11, e0151548.	1.1	35

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37	Hypothalamic inflammation is reversed by endurance training in anorectic-cachectic rats. Nutrition and Metabolism, 2011, 8, 60.	1.3	33
38	Sleep deprivation affects inflammatory marker expression in adipose tissue. Lipids in Health and Disease, 2010, 9, 125.	1.2	31
39	Gut-central nervous system axis is a target for nutritional therapies. Nutrition Journal, 2012, 11, 22.	1.5	31
40	Nutrients, immune system, and exercise: Where will it take us?. Nutrition, 2019, 61, 151-156.	1.1	31
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.	1.2	29
42	Importance of exercise immunology in health promotion. Amino Acids, 2011, 41, 1165-1172.	1.2	29
43	High-fat diets rich in soy or fish oil distinctly alter hypothalamic insulin signaling in rats. Journal of Nutritional Biochemistry, 2012, 23, 822-828.	1.9	26
44	Association Between Aerobic Exercise and Rosiglitazone Avoided the NAFLD and Liver Inflammation Exacerbated in PPARâ€Î± Knockout Mice. Journal of Cellular Physiology, 2017, 232, 1008-1019.	2.0	26
45	Regulation of Metabolic Disease-Associated Inflammation by Nutrient Sensors. Mediators of Inflammation, 2018, 2018, 1-18.	1.4	26
46	Long-term interdisciplinary therapy reduces endotoxin level and insulin resistance in obese adolescents. Nutrition Journal, 2012, 11, 74.	1.5	24
47	Macadamia Oil Supplementation Attenuates Inflammation and Adipocyte Hypertrophy in Obese Mice. Mediators of Inflammation, 2014, 2014, 1-9.	1.4	24
48	Acerola (Malpighia emarginata 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. Lipids in Health and Disease, 2014, 13, 24.	1.2	24
49	Aerobic Exercise Modulates the Free Fatty Acids and Inflammatory Response During Obesity and Cancer Cachexia. Critical Reviews in Eukaryotic Gene Expression, 2016, 26, 187-198.	0.4	24
50	Immunometabolic responses according to physical fitness status and lifelong exercise during aging: New roads for exercise immunology. Ageing Research Reviews, 2021, 68, 101341.	5.0	24
51	Exhaustive exercise increases inflammatory response via toll like receptorâ€4 and NFâ€ºBp65 pathway in rat adipose tissue. Journal of Cellular Physiology, 2011, 226, 1604-1607.	2.0	23
52	Sunflower Oil Supplementation Has Proinflammatory Effects and Does Not Reverse Insulin Resistance in Obesity Induced by High-Fat Diet in C57BL/6 Mice. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-9.	3.0	23
53	High-Fat Fish Oil Diet Prevents Hypothalamic Inflammatory Profile in Rats. ISRN Inflammation, 2013, 2013, 1-7.	4.9	23
54	Aerobic exercise, but not metformin, prevents reduction of muscular performance by AMPk activation in mice on doxorubicin chemotherapy. Journal of Cellular Physiology, 2018, 233, 9652-9662.	2.0	23

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55	Palmitoleic acid reduces high fat diet-induced liver inflammation by promoting PPAR-Î³-independent M2a polarization of myeloid cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158776.	1.2	23
56	Exercise Training Reduces PGE‹sub›2‹/sub›Levels and Induces Recovery from Steatosis in Tumor-bearing Rats. Hormone and Metabolic Research, 2010, 42, 944-949.	0.7	20
57	Regulation of autophagy as a therapy for immunosenescenceâ€driven cancer and neurodegenerative diseases: The role of exercise. Journal of Cellular Physiology, 2019, 234, 14883-14895.	2.0	20
58	Exercise Reduces the Resumption of Tumor Growth and Proteolytic Pathways in the Skeletal Muscle of Mice Following Chemotherapy. Cancers, 2020, 12, 3466.	1.7	20
59	Physical fitness status modulates the inflammatory proteins in peripheral blood and circulating monocytes: role of PPAR-gamma. Scientific Reports, 2020, 10, 14094.	1.6	20
60	The Immunometabolic Roles of Various Fatty Acids in Macrophages and Lymphocytes. International Journal of Molecular Sciences, 2021, 22, 8460.	1.8	19
61	Inflammatory features of obesity and smoke exposure and the immunologic effects of exercise. Exercise Immunology Review, 2019, 25, 96-111.	0.4	19
62	Celecoxib and Ibuprofen Restore the ATP Content and the Gluconeogenesis Activity in the Liver of Walker-256 Tumor-Bearing Rats. Cellular Physiology and Biochemistry, 2015, 36, 1659-1669.	1.1	16
63	Modulation of inflammatory response arising from high-intensity intermittent and concurrent strength training in physically active males. Cytokine, 2017, 91, 104-109.	1.4	16
64	Metformin Mitigates Fibrosis and Glucose Intolerance Induced by Doxorubicin in Subcutaneous Adipose Tissue. Frontiers in Pharmacology, 2018, 9, 452.	1.6	16
65	Exercise-induced AMPK activation and IL-6 muscle production are disturbed in adiponectin knockout mice. Cytokine, 2019, 119, 71-80.	1.4	16
66	Exercise rescues the immune response fineâ€tuned impaired by peroxisome proliferatorâ€activated receptors Î³ deletion in macrophages. Journal of Cellular Physiology, 2019, 234, 5241-5251.	2.0	16
67	Probiotic supplementation in marathonists and its impact on lymphocyte population and function after a marathon: a randomized placebo-controlled double-blind study. Scientific Reports, 2020, 10, 18777.	1.6	16
68	Short-term treatment with metformin reduces hepatic lipid accumulation but induces liver inflammation in obese mice. Inflammopharmacology, 2018, 26, 1103-1115.	1.9	15
69	Exercise intensity and physical fitness modulate lipoproteins profile during acute aerobic exercise session. Scientific Reports, 2020, 10, 4160.	1.6	15
70	Pharmacological Strategies for Insulin Sensitivity in Obesity and Cancer: Thiazolidinediones and Metformin. Current Pharmaceutical Design, 2020, 26, 932-945.	0.9	15
71	Effect of an acute moderateâ€exercise session on metabolic and inflammatory profile of PPARâ€Î± knockout mice. Cell Biochemistry and Function, 2017, 35, 510-517.	1.4	14
72	Aging with rhythmicity. Is it possible? Physical exercise as a pacemaker. Life Sciences, 2020, 261, 118453.	2.0	14

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73	White adipose tissue IFN-Î³ expression and signalling along the progression of rodent cancer cachexia. Cytokine, 2017, 89, 122-126.	1.4	13
74	The Relevance of Thimet Oligopeptidase in the Regulation of Energy Metabolism and Diet-Induced Obesity. Biomolecules, 2020, 10, 321.	1.8	13
75	Conjugated Linoleic Acid: good or bad nutrient. Diabetology and Metabolic Syndrome, 2010, 2, 62.	1.2	12
76	Beta-Alanine Supplementation Improved 10-km Running Time Trial in Physically Active Adults. Frontiers in Physiology, 2018, 9, 1105.	1.3	12
77	High- and moderate-intensity training modify LPS-induced ex-vivo interleukin-10 production in obese men in response to an acute exercise bout. Cytokine, 2020, 136, 155249.	1.4	12
78	PPARÎ±-Dependent Modulation by Metformin of the Expression of OCT-2 and MATE-1 in the Kidney of Mice. Molecules, 2020, 25, 392.	1.7	12
79	Acute exhaustive exercise regulates IL-2, IL-4 and MyoD in skeletal muscle but not adipose tissue in rats. Lipids in Health and Disease, 2011, 10, 97.	1.2	11
80	Immunometabolism: Molecular Mechanisms, Diseases, and Therapies 2016. Mediators of Inflammation, 2017, 2017, 1-2.	1.4	10
81	Topiramate effects lipolysis in 3T3-L1 adipocytes. Biomedical Reports, 2015, 3, 827-830.	0.9	9
82	Peptides from Natural or Rationally Designed Sources Can Be Used in Overweight, Obesity, and Type 2 Diabetes Therapies. Molecules, 2020, 25, 1093.	1.7	8
83	Doxorubicin modulated clock genes and cytokines in macrophages extracted from tumor-bearing mice. Cancer Biology and Therapy, 2020, 21, 344-353.	1.5	8
84	Endurance Exercise Mitigates Immunometabolic Adipose Tissue Disturbances in Cancer and Obesity. International Journal of Molecular Sciences, 2020, 21, 9745.	1.8	8
85	Renewed Avenues through Exercise Muscle Contractility and Inflammatory Status. Scientific World Journal, The, 2012, 2012, 1-7.	0.8	7
86	Inflammation in the Disease: Mechanism and Therapies 2014. Mediators of Inflammation, 2015, 2015, 1-2.	1.4	7
87	Sleep pattern and locomotor activity are impaired by doxorubicin in non-tumor-bearing rats. Sleep Science, 2016, 9, 232-235.	0.4	7
88	Tributyrin in Inflammation: Does White Adipose Tissue Affect Colorectal Cancer?. Nutrients, 2019, 11, 110.	1.7	7
89	Genetic damage in multiple organs of acutely exercised rats. Cell Biochemistry and Function, 2010, 28, 632-636.	1.4	6
90	Modulatory Effects of Physical Activity Levels on Immune Responses and General Clinical Functions in Adult Patients with Mild to Moderate SARS-CoV-2 Infectionsâ€"A Protocol for an Observational Prospective Follow-Up Investigation: Fit-COVID-19 Study. International Journal of Environmental Research and Public Health, 2021, 18, 13249.	1.2	6

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91	Immunometabolism: Molecular Mechanisms, Diseases, and Therapies 2018. Mediators of Inflammation, 2019, 2019, 1-2.	1.4	5
92	Muscle regeneration in adiponectin knockout mice showed early activation of antiâ€inflammatory response with perturbations in myogenesis. Journal of Cellular Physiology, 2020, 235, 6183-6193.	2.0	5
93	Costly immunometabolic remodelling in disused muscle buildup through physical exercise. Acta Physiologica, 2022, 234, e13782.	1.8	5
94	Macrophage immunophenotype but not anti-inflammatory profile is modulated by peroxisome proliferator-activated receptor gamma (PPARÎ³) in exercised obese mice. Exercise Immunology Review, 2020, 26, 10-22.	0.4	5
95	Activation of the Adipose Tissue NLRP3 Inflammasome Pathway in Cancer Cachexia. Frontiers in Immunology, 2021, 12, 729182.	2.2	4
96	Doxorubicin leads to impaired insulin signaling in skeletal muscle. Cancer & Metabolism, 2014, 2, .	2.4	3
97	Thromboinflammation and COVID-19: The Role of Exercise in the Prevention and Treatment. Frontiers in Cardiovascular Medicine, 2020, 7, 582824.	1.1	3
98	Levels of cardiorespiratory fitness in men exerts strong impact on lymphocyte function after mitogen stimulation. Journal of Applied Physiology, 2021, 130, 1133-1142.	1.2	3
99	Exercise Protocols to Improve , Glucose Homeostasis, and Subclinical. Methods in Molecular Biology, 2022, 2343, 119-145.	0.4	3
100	Type and Intensity as Key Variable of Exercise in Metainflammation Diseases: A Review. International Journal of Sports Medicine, 2022, 43, 743-767.	0.8	3
101	Immunometabolism-fit: How exercise and training can modify T cell and macrophage metabolism in health and disease.. Exercise Immunology Review, 2022, 28, 29-46.	0.4	3
102	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. Exercise Immunology Review, 2021, 27, 67-83.	0.4	2
103	Moderate aerobic exercise-induced cytokines changes are disturbed in PPARÎ± knockout mice. Cytokine, 2020, 134, 155207.	1.4	1
104	Probiotic Supplementation In Marathonists: The Effects On T-cell Population. Medicine and Science in Sports and Exercise, 2020, 52, 663-664.	0.2	1
105	Sugar intake is correlated with adiposity and obesity indicators and sedentary lifestyle in Brazilian individuals with morbid obesity. Nutricion Hospitalaria, 2012, 27, 1547-53.	0.2	1
106	211. Cytokine, 2013, 63, 293.	1.4	0
107	Inflammation in Disease: Mechanism and Therapies. Mediators of Inflammation, 2013, 2013, 1-1.	1.4	0
108	Immunometabolism: Molecular Mechanisms, Diseases, and Therapies. Mediators of Inflammation, 2014, 2014, 1-2.	1.4	0

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109	Palmitoleate attenuates diet induced insulin resistance and hepatic inflammation independently of PPAR-Î±. Cancer & Metabolism, 2014, 2, .	2.4	0
110	Hypothalamic energy metabolism is impaired by doxorubicin independently of inflammation in nonâ€tumourâ€bearing rats. Cell Biochemistry and Function, 2015, 33, 393-397.	1.4	0
111	Immunometabolism Disorders: Pharmacologic and Nonpharmacologic Approaches. Current Pharmaceutical Design, 2020, 26, 905-905.	0.9	0