

# Vinicius Fernandes Cruzat

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

3,385  
citations

218677

26  
h-index

289244

40  
g-index

46  
all docs

46  
docs citations

46  
times ranked

5317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of ROS production and oxidative stress in diabetes. <i>Biochemical Journal</i> , 2016, 473, 4527-4550.	3.7	617
2	Glutamine: Metabolism and Immune Function, Supplementation and Clinical Translation. <i>Nutrients</i> , 2018, 10, 1564.	4.1	616
3	Molecular Events Linking Oxidative Stress and Inflammation to Insulin Resistance and $\beta$ -Cell Dysfunction. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-15.	4.0	261
4	Regulation of SIRT1 in aging: Roles in mitochondrial function and biogenesis. <i>Mechanisms of Ageing and Development</i> , 2016, 155, 10-21.	4.6	212
5	Nutrient regulation of insulin secretion and action. <i>Journal of Endocrinology</i> , 2014, 221, R105-R120.	2.6	170
6	Oxidative stress pathways in pancreatic $\beta$ -cells and insulin-sensitive cells and tissues: importance to cell metabolism, function, and dysfunction. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C420-C433.	4.6	120
7	Amino acid supplementation and impact on immune function in the context of exercise. <i>Journal of the International Society of Sports Nutrition</i> , 2014, 11, 61.	3.9	106
8	Effects of leucine supplementation on the body composition and protein status of rats submitted to food restriction. <i>Nutrition</i> , 2006, 22, 520-527.	2.4	99
9	Growth Hormone and Insulin-Like Growth Factor Action in Reproductive Tissues. <i>Frontiers in Endocrinology</i> , 2019, 10, 777.	3.5	96
10	Oral free and dipeptide forms of glutamine supplementation attenuate oxidative stress and inflammation induced by endotoxemia. <i>Nutrition</i> , 2014, 30, 602-611.	2.4	74
11	Effects of supplementation with free glutamine and the dipeptide alanyl-glutamine on parameters of muscle damage and inflammation in rats submitted to prolonged exercise. <i>Cell Biochemistry and Function</i> , 2010, 28, 24-30.	2.9	71
12	Regulatory principles in metabolism—then and now. <i>Biochemical Journal</i> , 2016, 473, 1845-1857.	3.7	66
13	Mechanisms of vitamin D action in skeletal muscle. <i>Nutrition Research Reviews</i> , 2019, 32, 192-204.	4.1	64
14	Determination of the anti-inflammatory and cytoprotective effects of L-glutamine and L-alanine, or dipeptide, supplementation in rats submitted to resistance exercise. <i>British Journal of Nutrition</i> , 2016, 116, 470-479.	2.3	63
15	The effect of cigarette smoking, alcohol consumption and fruit and vegetable consumption on IVF outcomes: a review and presentation of original data. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 134.	3.3	61
16	Oral supplementations with free and dipeptide forms of L-glutamine in endotoxemic mice: effects on muscle glutamine-glutathione axis and heat shock proteins. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 345-352.	4.2	60
17	Effects of oral supplementation with glutamine and alanyl-glutamine on glutamine, glutamate, and glutathione status in trained rats and subjected to long-duration exercise. <i>Nutrition</i> , 2009, 25, 428-435.	2.4	58
18	Aspectos atuais sobre estresse oxidativo, exercícios físicos e suplementação. <i>Revista Brasileira De Medicina Do Esporte</i> , 2007, 13, 336-342.	0.2	51

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19	Alanyl-glutamine and glutamine plus alanine supplements improve skeletal redox status in trained rats: Involvement of heat shock protein pathways. <i>Life Sciences</i> , 2014, 94, 130-136.	4.3	47
20	Alanyl-glutamine improves pancreatic $\beta$ -cell function following ex vivo inflammatory challenge. <i>Journal of Endocrinology</i> , 2015, 224, 261-271.	2.6	44
21	Mechanisms of PEDF-mediated protection against reactive oxygen species damage in diabetic retinopathy and neuropathy. <i>Journal of Endocrinology</i> , 2014, 222, R129-R139.	2.6	43
22	The impact of cryopreservation on human peripheral blood leucocyte bioenergetics. <i>Clinical Science</i> , 2015, 128, 723-733.	4.3	40
23	Specific ranges of anti-Mullerian hormone and antral follicle count correlate to provide a prognostic indicator for IVF outcome. <i>Reproductive Biology</i> , 2017, 17, 51-59.	1.9	37
24	Effects of vitamin D on primary human skeletal muscle cell proliferation, differentiation, protein synthesis and bioenergetics. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 193, 105423.	2.5	35
25	L-glutamine Supplementations Enhance Liver Glutamine-Glutathione Axis and Heat Shock Factor-1 Expression in Endurance-Exercise Trained Rats. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 188-197.	2.1	31
26	Physiological regulation of the heat shock response by glutamine: implications for chronic low-grade inflammatory diseases in age-related conditions. <i>Nutrire</i> , 2016, 41, .	0.7	27
27	l-glutamine and l-alanine supplementation increase glutamine-glutathione axis and muscle HSP-27 in rats trained using a progressive high-intensity resistance exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 842-849.	1.9	26
28	Effects of High-Fat Diet on eHSP72 and Extra-to-Intracellular HSP70 Levels in Mice Submitted to Exercise under Exposure to Fine Particulate Matter. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-13.	2.3	22
29	Glutamina: aspectos bioquímicos, metabólicos, moleculares e suplementação. <i>Revista Brasileira De Medicina Do Esporte</i> , 2009, 15, 392-397.	0.2	17
30	Melatonin modifies basal and stimulated insulin secretion via NADPH oxidase. <i>Journal of Endocrinology</i> , 2016, 231, 235-244.	2.6	16
31	Hormônio do crescimento e exercício físico: considerações atuais. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2008, 44, 549-562.	0.5	13
32	Pigment epithelium-derived factor (PEDF) regulates metabolism and insulin secretion from a clonal rat pancreatic beta cell line BRIN-BD11 and mouse islets. <i>Molecular and Cellular Endocrinology</i> , 2016, 426, 50-60.	3.2	12
33	Are Heat Shock Proteins an Important Link between Type 2 Diabetes and Alzheimer Disease?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8204.	4.1	11
34	4-Aminoquinoline compounds from the Spanish flu to COVID-19. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111138.	5.6	10
35	Insulin and IGF-1 receptor autocrine loops are not required for Exendin-4 induced changes to pancreatic $\beta$ -cell bioenergetic parameters and metabolism in BRIN-BD11 cells. <i>Peptides</i> , 2018, 100, 140-149.	2.4	9
36	Vitamin D Supplementation Does Not Impact Resting Metabolic Rate, Body Composition and Strength in Vitamin D Sufficient Physically Active Adults. <i>Nutrients</i> , 2020, 12, 3111.	4.1	7

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37	L-glutamine And L-alanine Improves Glutamine Stores In Rats Submitted To Heavy Resistance Training. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 33.	0.4	6
38	SuplementaÃ§Ãµes nutricionais e estresse oxidativo: implicaÃ§Ãµes na atividade fÃsica e no esporte. <i>Revista Brasileira De Ciencias Do Esporte</i> , 2013, 35, 1071-1092.	0.4	4
39	Metabolic Adaptions/Reprogramming in Islet Beta-Cells in Response to Physiological Stimulatorsâ€”What Are the Consequences. <i>Antioxidants</i> , 2022, 11, 108.	5.1	3
40	L-Arginine, Pancreatic Beta Cell Function, and Diabetes: Mechanisms of Stimulated Insulin Release and Pathways of Metabolism. , 2017, , 85-94.		1
41	Renoprotection Induced by Aerobic Training Is Dependent on Nitric Oxide Bioavailability in Obese Zucker Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	4.0	1
42	Oral Supplementation With Alanyl-glutamine Or Glutamine Prevents Muscle Damage And Oxidative Stress In Trained Rats. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 792.	0.4	0
43	L-glutamine And L-alanine attenuate oxidative stress In Rats Submitted To Heavy Resistance Training. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 126.	0.4	0
44	Nitric Oxide and Redox State Measurements in Pancreatic Beta Cells. <i>Methods in Molecular Biology</i> , 2020, 2076, 241-253.	0.9	0