

Mauricio Da Silva Krause

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54
papers

1,599
citations

25
h-index

39
g-index

58
ext. papers

1,862
ext. citations

3.9
avg, IF

4.67
L-index

#	Paper	IF	Citations
54	Reactive oxygen and nitrogen species generation, antioxidant defenses, and β cell function: a critical role for amino acids. <i>Journal of Endocrinology</i> , 2012 , 214, 11-20	4.7	106
53	The chaperone balance hypothesis: the importance of the extracellular to intracellular HSP70 ratio to inflammation-driven type 2 diabetes, the effect of exercise, and the implications for clinical management. <i>Mediators of Inflammation</i> , 2015 , 2015, 249205	4.3	89
52	LipoCardium: endothelium-directed cyclopentenone prostaglandin-based liposome formulation that completely reverses atherosclerotic lesions. <i>Atherosclerosis</i> , 2007 , 193, 245-58	3.1	80
51	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	4.5	79
50	Divergence of intracellular and extracellular HSP72 in type 2 diabetes: does fat matter?. <i>Cell Stress and Chaperones</i> , 2012 , 17, 293-302	4	74
49	The effects of aerobic exercise training at two different intensities in obesity and type 2 diabetes: implications for oxidative stress, low-grade inflammation and nitric oxide production. <i>European Journal of Applied Physiology</i> , 2014 , 114, 251-60	3.4	72
48	Exercise and possible molecular mechanisms of protection from vascular disease and diabetes: the central role of ROS and nitric oxide. <i>Clinical Science</i> , 2009 , 118, 341-9	6.5	70
47	L-arginine is essential for pancreatic β cell functional integrity, metabolism and defense from inflammatory challenge. <i>Journal of Endocrinology</i> , 2011 , 211, 87-97	4.7	67
46	Nutritional regulation of insulin secretion: implications for diabetes. <i>Clinical Biochemist Reviews</i> , 2012 , 33, 35-47	7.3	62
45	A whey protein hydrolysate promotes insulinotropic activity in a clonal pancreatic β cell line and enhances glycemic function in ob/ob mice. <i>Journal of Nutrition</i> , 2013 , 143, 1109-14	4.1	59
44	Elevated levels of extracellular heat-shock protein 72 (eHSP72) are positively correlated with insulin resistance in vivo and cause pancreatic β cell dysfunction and death in vitro. <i>Clinical Science</i> , 2014 , 126, 739-52	6.5	47
43	MRP1/GS-X pump ATPase expression: is this the explanation for the cytoprotection of the heart against oxidative stress-induced redox imbalance in comparison to skeletal muscle cells?. <i>Cell Biochemistry and Function</i> , 2007 , 25, 23-32	4.2	47
42	Acute exercise stimulates macrophage function: possible role of NF-kappaB pathways. <i>Cell Biochemistry and Function</i> , 2007 , 25, 63-73	4.2	45
41	Differential nitric oxide levels in the blood and skeletal muscle of type 2 diabetic subjects may be consequence of adiposity: a preliminary study. <i>Metabolism: Clinical and Experimental</i> , 2012 , 61, 1528-37	12.7	44
40	Type 1 diabetes: can exercise impair the autoimmune event? The L-arginine/glutamine coupling hypothesis. <i>Cell Biochemistry and Function</i> , 2008 , 26, 406-33	4.2	44
39	The regulatory roles of NADPH oxidase, intra- and extra-cellular HSP70 in pancreatic islet function, dysfunction and diabetes. <i>Clinical Science</i> , 2015 , 128, 789-803	6.5	40
38	Physiological concentrations of interleukin-6 directly promote insulin secretion, signal transduction, nitric oxide release, and redox status in a clonal pancreatic β cell line and mouse islets. <i>Journal of Endocrinology</i> , 2012 , 214, 301-11	4.7	40

37	Heat shock proteins and heat therapy for type 2 diabetes: pros and cons. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015 , 18, 374-80	3.8	39
36	Effects of High-Intensity Interval and Moderate-Intensity Continuous Exercise on Inflammatory, Leptin, IgA, and Lipid Peroxidation Responses in Obese Males. <i>Frontiers in Physiology</i> , 2018 , 9, 567	4.6	38
35	Regulatory principles in metabolism-then and now. <i>Biochemical Journal</i> , 2016 , 473, 1845-57	3.8	36
34	Extracellular heat shock proteins (eHSP70) in exercise: Possible targets outside the immune system and their role for neurodegenerative disorders treatment. <i>Medical Hypotheses</i> , 2011 , 76, 286-90	3.8	34
33	Acute exercise boosts cell proliferation and the heat shock response in lymphocytes: correlation with cytokine production and extracellular-to-intracellular HSP70 ratio. <i>Cell Stress and Chaperones</i> , 2017 , 22, 271-291	4	31
32	Effects of dance interventions on cardiovascular risk with ageing: Systematic review and meta-analysis. <i>Complementary Therapies in Medicine</i> , 2016 , 29, 16-28	3.5	31
31	The effects of a combined bodyweight-based and elastic bands resistance training, with or without protein supplementation, on muscle mass, signaling and heat shock response in healthy older people. <i>Experimental Gerontology</i> , 2019 , 115, 104-113	4.5	28
30	Association of L-Arginine Supplementation with Markers of Endothelial Function in Patients with Cardiovascular or Metabolic Disorders: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2018 , 11,	6.7	25
29	Glycemic, inflammatory and oxidative stress responses to different high-intensity training protocols in type 1 diabetes: A randomized clinical trial. <i>Journal of Diabetes and Its Complications</i> , 2018 , 32, 1124-1132	3.2	24
28	Effects of L-arginine supplementation on blood flow, oxidative stress status and exercise responses in young adults with uncomplicated type I diabetes. <i>European Journal of Nutrition</i> , 2013 , 52, 975-83	5.2	23
27	Exercise for type 1 diabetes mellitus management: General considerations and new directions. <i>Medical Hypotheses</i> , 2017 , 104, 147-153	3.8	23
26	Cardiorespiratory Considerations in Dance: From Classes to Performances. <i>Journal of Dance Medicine and Science</i> , 2015 , 19, 91-102	0.7	18
25	Ballet dancers cardiorespiratory, oxidative and muscle damage responses to classes and rehearsals. <i>European Journal of Sport Science</i> , 2014 , 14, 199-208	3.9	18
24	Effects of dancing compared to walking on cardiovascular risk and functional capacity of older women: A randomized controlled trial. <i>Experimental Gerontology</i> , 2018 , 114, 67-77	4.5	18
23	Effects of n-3 fatty acids and exercise on oxidative stress parameters in type 2 diabetic: a randomized clinical trial. <i>Journal of the International Society of Sports Nutrition</i> , 2018 , 15, 18	4.5	16
22	. <i>Nutrire</i> , 2016 , 41,	2.2	15
21	Heat-induced extracellular HSP72 release is blunted in elderly diabetic people compared with healthy middle-aged and older adults, but it is partially restored by resistance training. <i>Experimental Gerontology</i> , 2018 , 111, 180-187	4.5	15
20	Role of alpha- and beta-adrenoreceptors in rat monocyte/macrophage function at rest and acute exercise. <i>Journal of Physiology and Biochemistry</i> , 2014 , 70, 363-74	5	15

19	Coronavirus infection (SARS-CoV-2) in obesity and diabetes comorbidities: is heat shock response determinant for the disease complications?. <i>Diabetology and Metabolic Syndrome</i> , 2020 , 12, 63	5.6	14
18	Dancing for Healthy Aging: Functional and Metabolic Perspectives. <i>Alternative Therapies in Health and Medicine</i> , 2019 , 25, 44-63	2.5	10
17	Oral supplementations with L-glutamine or L-alanyl-L-glutamine do not change metabolic alterations induced by long-term high-fat diet in the B6.129F2/J mouse model of insulin resistance. <i>Molecular and Cellular Biochemistry</i> , 2016 , 411, 351-62	4.2	8
16	Oxygen consumption and heart rate responses to isolated ballet exercise sets. <i>Journal of Dance Medicine and Science</i> , 2014 , 18, 99-105	0.7	8
15	BJSM reviews: A to Z of nutritional supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performance--part 18. <i>British Journal of Sports Medicine</i> , 2011 , 45, 230-2	10.3	7
14	Diet, Obesity, and Reactive Oxygen Species Implications for Diabetes and Aging 2014 , 3361-3374		6
13	Cardiorespiratory responses of a dance session designed for older women: A cross sectional study. <i>Experimental Gerontology</i> , 2018 , 110, 139-145	4.5	5
12	Effect of Acute Dietary Nitrate Supplementation on the Post-Exercise Ambulatory Blood Pressure in Obese Males: A Randomized, Controlled, Crossover Trial. <i>Journal of Sports Science and Medicine</i> , 2019 , 18, 118-127	2.7	5
11	Exercise Training for the Elderly: Inflammaging and the Central Role for HSP70. <i>Journal of Science in Sport and Exercise</i> , 2019 , 1, 97-115	1	4
10	Effects of acute aerobic, resistance and combined exercises on 24-h glucose variability and skeletal muscle signalling responses in type 1 diabetics. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2677-2691	3.4	4
9	Induction chemotherapy reduces extracellular heat shock protein 72 levels, inflammation, lipoperoxidation and changes insulin sensitivity in children and adolescents newly diagnosed with acute lymphoblastic leukemia. <i>Oncotarget</i> , 2018 , 9, 28784-28795	3.3	3
8	Heat shock response to exercise in pancreatic islets of obese mice. <i>Biochimie</i> , 2020 , 168, 28-40	4.6	3
7	l-Arginine Usage in Type I Diabetes: From the Autoimmune Event to Human Dietary Supplementation 2017 , 395-406		2
6	Dancing at Home During Quarantine: Considerations for Session Structure, Aerobic Fitness, and Safety. <i>Journal of Physical Education, Recreation and Dance</i> , 2021 , 92, 22-32	0.7	2
5	Effects of acute exercise on glucose control in type 1 diabetes: A systematic review. <i>Translational Sports Medicine</i> , 2019 , 2, 49-57	1.3	2
4	The Impact of Inflammation on Pancreatic β Cell Metabolism, Function and Failure in T1DM and T2DM: Commonalities and Differences 2013 ,		1
3	Metabolic and Molecular Subacute Effects of a Single Moderate-Intensity Exercise Bout, Performed in the Fasted State, in Obese Male Rats. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
2	Comparison between two cryopreservation techniques of human ovarian cortex: morphological aspects and the heat shock response (HSR).. <i>Cell Stress and Chaperones</i> , 2022 , 27, 97	4	0

- 1 Differential effects of whole blood heat treatment on the ex vivo inflammatory profile of untrained and trained men. *Cytokine*, **2021**, 142, 155514 4 ○