

Langfort Jzef

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86
papers

1,902
citations

25
h-index

39
g-index

97
ext. papers

2,097
ext. citations

3.6
avg, IF

4.45
L-index

#	Paper	IF	Citations
86	Expression of hormone-sensitive lipase and its regulation by adrenaline in skeletal muscle. <i>Biochemical Journal</i> , 1999 , 340, 459-465	3.8	128
85	Expression profiling reveals differences in metabolic gene expression between exercise-induced cardiac effects and maladaptive cardiac hypertrophy. <i>FEBS Journal</i> , 2005 , 272, 2684-95	5.7	104
84	Stimulation of hormone-sensitive lipase activity by contractions in rat skeletal muscle. <i>Biochemical Journal</i> , 2000 , 351, 207-214	3.8	95
83	Maximal fat oxidation rates in endurance trained and untrained women. <i>European Journal of Applied Physiology</i> , 2006 , 98, 497-506	3.4	70
82	Metabolic responses to a 48-h ultra-marathon run in middle-aged male amateur runners. <i>European Journal of Applied Physiology</i> , 2013 , 113, 2781-93	3.4	65
81	Arginine and ornithine supplementation increases growth hormone and insulin-like growth factor-1 serum levels after heavy-resistance exercise in strength-trained athletes. <i>Journal of Strength and Conditioning Research</i> , 2010 , 24, 1082-90	3.2	56
80	Determination and Prediction of One Repetition Maximum (1RM): Safety Considerations. <i>Journal of Human Kinetics</i> , 2008 , 19, 109-120	2.6	52
79	Anaerobic threshold in rats. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1993 , 106, 285-9		51
78	Skiing across the Greenland icecap: divergent effects on limb muscle adaptations and substrate oxidation. <i>Journal of Experimental Biology</i> , 2003 , 206, 1075-83	3	48
77	Stimulation of hormone-sensitive lipase activity by contractions in rat skeletal muscle. <i>Biochemical Journal</i> , 2000 , 351, 207-14	3.8	46
76	Contractions activate hormone-sensitive lipase in rat muscle by protein kinase C and mitogen-activated protein kinase. <i>Journal of Physiology</i> , 2003 , 550, 845-54	3.9	45
75	Time course of GLUT4 and AMPK protein expression in human skeletal muscle during one month of physical training. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2003 , 13, 169-74	4.6	39
74	The effect of exercise training on hormone-sensitive lipase in rat intra-abdominal adipose tissue and muscle. <i>Journal of Physiology</i> , 2001 , 536, 871-7	3.9	39
73	Expression of lipogenic genes is upregulated in the heart with exercise training-induced but not pressure overload-induced left ventricular hypertrophy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E1348-58	6	38
72	Upregulation of guanylyl cyclase expression and activity in striatum of MPTP-induced parkinsonism in mice. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 324, 118-26	3.4	38
71	The Effects of Altitude Training on Erythropoietic Response and Hematological Variables in Adult Athletes: A Narrative Review. <i>Frontiers in Physiology</i> , 2018 , 9, 375	4.6	37
70	The effect of subchronic, intermittent L-DOPA treatment on neuronal nitric oxide synthase and soluble guanylyl cyclase expression and activity in the striatum and midbrain of normal and MPTP-treated mice. <i>Neurochemistry International</i> , 2007 , 50, 821-33	4.4	37

69	The effect of a low-carbohydrate diet on performance, hormonal and metabolic responses to a 30-s bout of supramaximal exercise. <i>European Journal of Applied Physiology</i> , 1997 , 76, 128-33	3.4	36
68	Effects of castration and testosterone replacement on the antioxidant defense system in rat left ventricle. <i>Journal of Physiological Sciences</i> , 2008 , 58, 173-7	2.3	34
67	Endurance training-induced accumulation of muscle triglycerides is coupled to upregulation of stearoyl-CoA desaturase 1. <i>Journal of Applied Physiology</i> , 2010 , 109, 1653-61	3.7	30
66	Alterations of the expression and activity of midbrain nitric oxide synthase and soluble guanylyl cyclase in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinsonism in mice. <i>Neuroscience</i> , 2006 , 141, 1033-1046	3.9	30
65	Hormone-sensitive lipase in skeletal muscle: regulatory mechanisms. <i>Acta Physiologica Scandinavica</i> , 2003 , 178, 397-403		29
64	Expression of hormone-sensitive lipase and its regulation by adrenaline in skeletal muscle. <i>Biochemical Journal</i> , 1999 , 340, 459	3.8	28
63	High-dose testosterone propionate treatment reverses the effects of endurance training on myocardial antioxidant defenses in adolescent male rats. <i>Cardiovascular Toxicology</i> , 2011 , 11, 118-27	3.4	26
62	Involvement of multiple protein kinases in cPLA2 phosphorylation, arachidonic acid release, and cell death in in vivo and in vitro models of 1-methyl-4-phenylpyridinium-induced parkinsonism—the possible key role of PKG. <i>Journal of Neurochemistry</i> , 2009 , 110, 307-17	6	25
61	Effects of downhill and uphill exercises of equivalent submaximal intensities on selected blood cytokine levels and blood creatine kinase activity. <i>Biology of Sport</i> , 2014 , 31, 173-8	4.3	25
60	Dietary Recommendations for Cyclists during Altitude Training. <i>Nutrients</i> , 2016 , 8,	6.7	25
59	The effects of hypobaric hypoxia on erythropoiesis, maximal oxygen uptake and energy cost of exercise under normoxia in elite biathletes. <i>Journal of Sports Science and Medicine</i> , 2014 , 13, 912-20	2.7	24
58	Additivity of adrenaline and contractions on hormone-sensitive lipase, but not on glycogen phosphorylase, in rat muscle. <i>Acta Physiologica Scandinavica</i> , 2003 , 178, 51-60		23
57	Retraction: Inhibition of Arachidonic Acid Release by Cytosolic Phospholipase A2 Is Involved in the Antiapoptotic Effect of FK506 and Cyclosporin A on Astrocytes Exposed to Simulated Ischemia In Vitro. <i>Journal of Pharmacological Sciences</i> , 2017 , 102, 77	3.7	22
56	Long-term consumption of a carbohydrate-restricted diet does not induce deleterious metabolic effects. <i>Nutrition Research</i> , 2008 , 28, 825-33	4	21
55	Intermittent hypoxic training improves anaerobic performance in competitive swimmers when implemented into a direct competition mesocycle. <i>PLoS ONE</i> , 2017 , 12, e0180380	3.7	20
54	The effect of endurance training on regional serotonin metabolism in the brain during early stage of detraining period in the female rat. <i>Cellular and Molecular Neurobiology</i> , 2006 , 26, 1327-42	4.6	19
53	Effect of sustained hyperadrenalinemia on exercise performance and lactate threshold in rats. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1996 , 114, 51-5		19
52	Activation of cPLA2 and sPLA2 in astrocytes exposed to simulated ischemia in vitro. <i>Cell Biology International</i> , 2007 , 31, 958-65	4.5	18

51	Contractions induce phosphorylation of the AMPK site Ser565 in hormone-sensitive lipase in muscle. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 316, 867-71	3.4	18
50	Effect of various types of exercise training on 5 ν nucleotidase and adenosine deaminase activities in rat heart: influence of a single bout of endurance exercise. <i>Biochemical and Molecular Medicine</i> , 1996 , 59, 28-32		18
49	Effects of IFN- α and IFN- β treatment on the expression of cytokines, inducible NOS (NOS type II), and myelin proteins in animal model of multiple sclerosis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2017 , 65, 325-338	4	17
48	Testosterone affects hormone-sensitive lipase (HSL) activity and lipid metabolism in the left ventricle. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 399, 670-6	3.4	17
47	Regulation and role of hormone-sensitive lipase in rat skeletal muscle. <i>Proceedings of the Nutrition Society</i> , 2004 , 63, 309-14	2.9	17
46	Effect of a low-carbohydrate diet on plasma and sweat ammonia concentrations during prolonged nonexhausting exercise. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1995 , 70, 70-4		17
45	Modification of blood antioxidant status and lipid profile in response to high-intensity endurance exercise after low doses of omega-3 polyunsaturated fatty acids supplementation in healthy volunteers. <i>International Journal of Food Sciences and Nutrition</i> , 2009 , 60 Suppl 2, 67-79	3.7	16
44	Hormone-sensitive lipase as mediator of lipolysis in contracting skeletal muscle. <i>Exercise and Sport Sciences Reviews</i> , 2005 , 33, 127-33	6.7	16
43	Anaerobic Performance after a Low-Carbohydrate Diet (LCD) Followed by 7 Days of Carbohydrate Loading in Male Basketball Players. <i>Nutrients</i> , 2019 , 11,	6.7	15
42	The effect of low-carbohydrate diet on the pattern of hormonal changes during incremental, graded exercise in young men. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2001 , 11, 248-57	4.4	15
41	Effect of various types of acute exercise and exercise training on the insulin sensitivity of rat soleus muscle measured in vitro. <i>Pflugers Archiv European Journal of Physiology</i> , 1988 , 412, 101-5	4.6	15
40	No Modification in Blood Lipoprotein Concentration but Changes in Body Composition after 4 Weeks of Low Carbohydrate Diet (LCD) Followed by 7 Days of Carbohydrate Loading in Basketball Players. <i>Journal of Human Kinetics</i> , 2018 , 65, 125-137	2.6	15
39	Increases in Brain H-MR Glutamine and Glutamate Signals Following Acute Exhaustive Endurance Exercise in the Rat. <i>Frontiers in Physiology</i> , 2017 , 8, 19	4.6	14
38	Comparison of the effect of intermittent hypoxic training vs. the live high, train low strategy on aerobic capacity and sports performance in cyclists in normoxia. <i>Biology of Sport</i> , 2018 , 35, 39-48	4.3	14
37	The effect of a spinal cord hemisection on changes in nitric oxide synthase pools in the site of injury and in regions located far away from the injured site. <i>Cellular and Molecular Neurobiology</i> , 2006 , 26, 1367-85	4.6	14
36	Effects of interferon α and interferon β monotherapies on selected serum cytokines and nitrite levels in patients with relapsing-remitting multiple sclerosis: a 3-year longitudinal study. <i>NeuroImmunoModulation</i> , 2013 , 20, 213-22	2.5	13
35	IGF-1 response to arm exercise with eccentric and concentric muscle contractions in resistance-trained athletes with left ventricular hypertrophy. <i>International Journal of Sports Medicine</i> , 2013 , 34, 116-22	3.6	12
34	Three-Year Chronic Consumption of Low-Carbohydrate Diet Impairs Exercise Performance and Has a Small Unfavorable Effect on Lipid Profile in Middle-Aged Men. <i>Nutrients</i> , 2018 , 10,	6.7	12

33	Short-term low-carbohydrate diet dissociates lactate and ammonia thresholds in men. <i>Journal of Strength and Conditioning Research</i> , 2004 , 18, 260-5	3.2	11
32	Endurance training upregulates the nitric oxide/soluble guanylyl cyclase/cyclic guanosine 3',5'-monophosphate pathway in the striatum, midbrain and cerebellum of male rats. <i>Brain Research</i> , 2015 , 1618, 29-40	3.7	10
31	Intermittent Hypoxic Training at Lactate Threshold Intensity Improves Aiming Performance in Well-Trained Biathletes with Little Change of Cardiovascular Variables. <i>BioMed Research International</i> , 2019 , 2019, 1287506	3	10
30	Serum IGF-I and hormonal responses to incremental exercise in athletes with and without left ventricular hypertrophy. <i>Journal of Sports Science and Medicine</i> , 2009 , 8, 67-76	2.7	10
29	Effects of acute and chronic hindlimb suspension on sensitivity and responsiveness to insulin in the rat soleus muscle. <i>Biochemistry and Cell Biology</i> , 1997 , 75, 41-44	3.6	9
28	The influence of strength exercises of the lower limbs on postural stability: A possible role of the autonomic nervous system. <i>Isokinetics and Exercise Science</i> , 2017 , 25, 79-89	0.6	8
27	Cytosolic phospholipase A ₂ inhibition is involved in the protective effect of nortriptyline in primary astrocyte cultures exposed to combined oxygen-glucose deprivation. <i>Pharmacological Reports</i> , 2010 , 62, 814-26	3.9	8
26	High-dose testosterone enanthate supplementation boosts oxidative stress, but exerts little effect on the antioxidant barrier in sedentary adolescent male rat liver. <i>Pharmacological Reports</i> , 2017 , 69, 673-678	3.9	7
25	Gene polymorphisms and motor levodopa-induced complications in Parkinson's disease. <i>Brain and Behavior</i> , 2020 , 10, e01537	3.4	7
24	Anaerobic and aerobic performance of elite female and male snowboarders. <i>Journal of Human Kinetics</i> , 2012 , 34, 81-8	2.6	7
23	Exercise-induced improvement in the sensitivity of the rat soleus muscle to insulin is reversed by chloroadenosine--the adenosine receptor agonist. <i>Biochemical Medicine and Metabolic Biology</i> , 1993 , 50, 18-23		7
22	Influence of Nutritional Education on the Diet and Nutritional Behaviors of Elderly Women at the University of the Third Age. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	6
21	Palmitic acid metabolism in the soleus muscle in vitro in hypo- and hyperthyroid rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2004 , 448, 445-51	4.6	6
20	Effect of endurance and sprint exercise on the sensitivity of glucose metabolism to insulin in the epitrochlearis muscle of sedentary and trained rats. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1991 , 62, 145-50		6
19	Blood-Brain Barrier and Exercise [A Short Review]. <i>Journal of Human Kinetics</i> , 2008 , 19, 83-92	2.6	6
18	The effect of endurance training and testosterone supplementation on the expression of blood spinal cord barrier proteins in rats. <i>PLoS ONE</i> , 2019 , 14, e0211818	3.7	5
17	Acute normobaric hypoxia does not affect the simultaneous exercise-induced increase in circulating BDNF and GDNF in young healthy men: A feasibility study. <i>PLoS ONE</i> , 2019 , 14, e0224207	3.7	5
16	Spinal cord transection modifies neuronal nitric oxide synthase expression in medullar reticular nuclei and in the spinal cord and increases parvalbumin immunopositivity in motoneurons below the site of injury in experimental rabbits. <i>Acta Histochemica</i> , 2012 , 114, 518-24	2	5

15	cGMP level in idiopathic Parkinson's disease patients with and without cardiovascular disease - A pilot study. <i>Parkinsonism and Related Disorders</i> , 2011 , 17, 689-92	3.6	5
14	Baclofen or nNOS inhibitor affect molecular and behavioral alterations evoked by traumatic spinal cord injury in rat spinal cord. <i>Spine Journal</i> , 2015 , 15, 1366-78	4	4
13	Plasma lactate dehydrogenase and creatine kinase after anaerobic exercise. <i>International Journal of Sports Medicine</i> , 1988 , 9, 102-3	3.6	4
12	Comparison of maximal lactate steady state with anaerobic threshold determined by various methods based on graded exercise test with 3-minute stages in elite cyclists. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2020 , 12, 70	2.4	4
11	Exercise-Induced Elevated BDNF Level Does Not Prevent Cognitive Impairment Due to Acute Exposure to Moderate Hypoxia in Well-Trained Athletes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
10	Short-term effects of electrically induced tachycardia on antioxidant defenses in the normal and hypertrophied rat left ventricle. <i>Journal of Physiological Sciences</i> , 2009 , 59, 199-206	2.3	3
9	Electrical stimulation partly reverses the muscle insulin resistance caused by tenotomy. <i>FEBS Letters</i> , 1993 , 315, 183-6	3.8	3
8	Three weeks of intermittent hypoxic training affect antioxidant enzyme activity and increases lipid peroxidation in cyclists. <i>Monatshefte für Chemie</i> , 2019 , 150, 1703-1710	1.4	2
7	Cardiac hypertrophy and IGF-1 response to testosterone propionate treatment in trained male rats. <i>Open Life Sciences</i> , 2017 , 12, 120-127	1.2	2
6	Fasting increases palmitic acid incorporation into rat hind-limb intramuscular acylglycerols while short-term cold exposure has no effect. <i>Acta Physiologica Hungarica</i> , 2011 , 98, 359-66		2
5	Dynamics of metabolic responses to prolonged elevation of circulating adrenaline in resting and exercising rats. <i>Pflügers Archiv European Journal of Physiology</i> , 1989 , 413, 429-34	4.6	2
4	SHORT-TERM LOW-CARBOHYDRATE DIET DISSOCIATES LACTATE AND AMMONIA THRESHOLDS IN MEN. <i>Journal of Strength and Conditioning Research</i> , 2004 , 18, 260-265	3.2	1
3	Hormone-sensitive Lipase (HSL) Expression and Regulation By Epinephrine and Exercise in Skeletal Muscle. <i>European Journal of Sport Science</i> , 2002 , 2, 1-10	3.9	1
2	High-dose testosterone supplementation disturbs liver pro-oxidant/antioxidant balance and function in adolescent male Wistar rats undergoing moderate-intensity endurance training. <i>PeerJ</i> , 2020 , 8, e10228	3.1	1
1	Effect of hypothermia on 2-deoxy-glucose transport, insulin binding and insulin sensitivity of the rat soleus muscle. <i>Pathophysiology</i> , 1997 , 4, 205-212	1.8	