Jaak Kals

List of Publications by Year
in descending order

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68	1,507	304743 22	330143 37
papers	citations	h-index	g-index

68	68	68	2550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Effects of Nebivolol and Metoprolol on Central Aortic Pressure and Left Ventricular Wall Thickness. Hypertension, 2011, 57, 1122-1128.	2.7	135
2	Evaluation of the functional efficacy of an antioxidative probiotic in healthy volunteers. Nutrition Journal, 2005, 4, 22.	3.4	122
3	Arterial stiffness, carotid artery intima-media thickness and plasma myeloperoxidase level in children with type 1 diabetes. Diabetes Research and Clinical Practice, 2009, 84, 168-173.	2.8	85
4	Vitamin D reduces deposition of advanced glycation end-products in the aortic wall and systemic oxidative stress in diabetic rats. Diabetes Research and Clinical Practice, 2013, 100, 243-249.	2.8	71
5	Inverse relations of serum phosphatidylcholines and lysophosphatidylcholines with vascular damage and heart rate in patients with atherosclerosis. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 44-52.	2.6	69
6	High-sensitivity C-reactive protein affects central haemodynamics and augmentation index in apparently healthy persons. Journal of Hypertension, 2004, 22, 1133-1139.	0.5	58
7	Effect of vitamin D on aortic remodeling in streptozotocin-induced diabetes. Cardiovascular Diabetology, 2012, 11, 58.	6.8	52
8	Aortic Stiffness and Vitamin D are Independent Markers of Aortic Calcification in Patients with Peripheral Arterial Disease and in Healthy Subjects. European Journal of Vascular and Endovascular Surgery, 2011, 42, 689-695.	1.5	48
9	Impact of Oxidative Stress on Arterial Elasticity in Patients with Atherosclerosis. American Journal of Hypertension, 2006, 19, 902-908.	2.0	47
10	The relationship between inflammation and arterial stiffness in patients with essential hypertension. International Journal of Cardiology, 2006, 112, 46-51.	1.7	47
11	Inflammation and oxidative stress are associated differently with endothelial function and arterial stiffness in healthy subjects and in patients with atherosclerosis. Scandinavian Journal of Clinical and Laboratory Investigation, 2008, 68, 594-601.	1.2	43
12	Augmentation index and carotid intimaâ€“media thickness are differently related to age, C-reactive protein and oxidized low-density lipoprotein. Journal of Hypertension, 2007, 25, 819-825.	0.5	38
13	Metabolomic signature of arterial stiffness in male patients with peripheral arterial disease. Hypertension Research, 2015, 38, 840-846.	2.7	36
14	Prognostic Impact of Arterial Stiffness in Patients with Symptomatic Peripheral Arterial Disease. European Journal of Vascular and Endovascular Surgery, 2014, 48, 308-315.	1.5	35
15	Association of Osteoprotegerin With Aortic Stiffness in Patients With Symptomatic Peripheral Artery Disease and in Healthy Subjects. American Journal of Hypertension, 2010, 23, 586-591.	2.0	34
16	Î²2-microglobulin, a novel biomarker of peripheral arterial disease, independently predicts aortic stiffness in these patients. Scandinavian Journal of Clinical and Laboratory Investigation, 2011, 71, 257-263.	1.2	34
17	Metabolic factors and oxidative stress in osteoarthritis: a caseâ€“control study. Scandinavian Journal of Clinical and Laboratory Investigation, 2017, 77, 520-526.	1.2	32
18	Ten Years Experience of Treating Aorto-Femoral Bypass Graft Infection with Venous Allografts. European Journal of Vascular and Endovascular Surgery, 2008, 36, 432-437.	1.5	28

#	Article	IF	Citations
19	Nebivolol and metoprolol: long-term effects on inflammation and oxidative stress in essential hypertension. Scandinavian Journal of Clinical and Laboratory Investigation, 2012, 72, 427-432.	1.2	28
20	Increased carotid artery intima-media thickness and myeloperoxidase level in children with newly diagnosed juvenile idiopathic arthritis. Arthritis Research and Therapy, 2015, 17, 180.	3.5	25
21	Mortality After Elective and Ruptured Abdominal Aortic Aneurysm Surgical Repair: 12-Year Single-Center Experience of Estonia. Scandinavian Journal of Surgery, 2018, 107, 152-157.	2.6	24
22	Effects of a synbiotic product on blood antioxidative activity in subjects colonized withHelicobacter pylori. Letters in Applied Microbiology, 2009, 48, 797-800.	2.2	23
23	Effects of Heat Acclimation on Changes in Oxidative Stress and Inflammation Caused by Endurance Capacity Test in the Heat. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-8.	4.0	23
24	Mediumâ€•and longâ€•chain acylcarnitines are associated with osteoarthritis severity and arterial stiffness in endâ€•stage osteoarthritis patients: a caseâ€•control study. International Journal of Rheumatic Diseases, 2018, 21, 1211-1218.	1.9	21
25	Metabolomic Signature of Amino Acids, Biogenic Amines and Lipids in Blood Serum of Patients with Severe Osteoarthritis. Metabolites, 2020, 10, 323.	2.9	21
26	Effects of stimulation of nitric oxide synthesis on large artery stiffness in patients with peripheral arterial disease. Atherosclerosis, 2006, 185, 368-374.	0.8	20
27	Antioxidant UPF1 attenuates myocardial stunning in isolated rat hearts. International Journal of Cardiology, 2008, 125, 133-135.	1.7	18
28	Association between asymmetric dimethylarginine and indices of vascular function in patients with essential hypertension. Blood Pressure, 2011, 20, 111-116.	1.5	17
29	Structural and biochemical characteristics of arterial stiffness in patients with atherosclerosis and in healthy subjects. Hypertension Research, 2012, 35, 1032-1037.	2.7	17
30	Angiotensin II receptor blocker telmisartan attenuates aortic stiffening and remodelling in STZ-diabetic rats. Diabetology and Metabolic Syndrome, 2014, 6, 57.	2.7	17
31	Severity of Osteoarthritis Is Associated with Increased Arterial Stiffness. International Journal of Rheumatology, 2016, 2016, 1-7.	1.6	17
32	Exposure of rats to hyperoxia enhances relaxation of isolated aortic rings and reduces infarct size of isolated hearts. Acta Physiologica Scandinavica, 2002, 175, 271-277.	2.2	16
33	An antioxidant tetrapeptide UPF1 in rats has a neuroprotective effect in transient global brain ischemia. Neuroscience Letters, 2004, 370, 45-50.	2.1	15
34	Metabolomic profiles of lipid metabolism, arterial stiffness and hemodynamics in male coronary artery disease patients. IJC Metabolic & Endocrine, 2016, 11, 13-18.	0.5	15
35	The Effect of Remote Ischaemic Preconditioning on Arterial Stiffness in Patients Undergoing Vascular Surgery: A Randomised Clinical Trial. European Journal of Vascular and Endovascular Surgery, 2019, 57, 868-875.	1.5	15
36	The acute effects of passive heat exposure on arterial stiffness, oxidative stress, and inflammation. Medicina (Lithuania), 2016, 52, 211-216.	2.0	14

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37	Association between arterial elasticity, C-reactive protein and maximal oxygen consumption in well-trained cadets during three days extreme physical load: a pilot study. Physiological Measurement, 2008, 29, 429-437.	2.1	13
38	Early Biomarkers of Renal Damage in Relation to Arterial Stiffness and Inflammation in Male Coronary Artery Disease Patients. Kidney and Blood Pressure Research, 2016, 41, 488-497.	2.0	12
39	Association Between Fibulin-1 and Aortic Augmentation Index in Male Patients with Peripheral Arterial Disease. European Journal of Vascular and Endovascular Surgery, 2016, 51, 76-82.	1.5	12
40	Oxidative Stress Parameters and Its Associations With Arterial Stiffness in Competitive Powerlifting Athletes After 12-Week Supervised Strength Training. Journal of Strength and Conditioning Research, 2019, 33, 1816-1822.	2.1	11
41	Arterial elasticity is associated with endothelial vasodilatory function and asymmetric dimethylarginine level in healthy subjects. Scandinavian Journal of Clinical and Laboratory Investigation, 2007, 67, 536-544.	1.2	10
42	Metabolomics of Arterial Stiffness. Metabolites, 2022, 12, 370.	2.9	10
43	Remote Ischaemic Preconditioning Attenuates Cardiac Biomarkers During Vascular Surgery: A Randomised Clinical Trial. European Journal of Vascular and Endovascular Surgery, 2020, 59, 301-308.	1.5	9
44	Increased arterial stiffness in patients with end-stage osteoarthritis: a case-control study. BMC Musculoskeletal Disorders, 2016, 17, 335.	1.9	8
45	Effects of Remote Ischaemic Preconditioning on Arterial Stiffness in Patients Undergoing Lower Limb Angiographic Procedures: A Randomised Clinical Trial. European Journal of Vascular and Endovascular Surgery, 2019, 58, 875-882.	1.5	8
46	Remote Ischaemic Preconditioning Reduces Kidney Injury Biomarkers in Patients Undergoing Open Surgical Lower Limb Revascularisation: A Randomised Trial. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-8.	4.0	8
47	Metabolomic Profile of Abdominal Aortic Aneurysm. Metabolites, 2021, 11, 555.	2.9	7
48	The Role of RIPC in Preventing Organ Damage, Inflammation, and Oxidative Stress during Lower Limb DSA: A Randomised Controlled Trial. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	4.0	5
49	Is Elective Abdominal Aortic Aneurysm Repair Accompanied by High Grade Oxidative Stress?. Scandinavian Journal of Surgery, 2003, 92, 206-209.	2.6	4
50	Heat acclimation increases arterial elasticity in young men. Applied Physiology, Nutrition and Metabolism, 2013, 38, 922-927.	1.9	4
51	Effects of a long-term military mission on arterial stiffness, inflammation markers, and vitamin D level. International Journal of Cardiology, 2011, 151, 106-107.	1.7	3
52	Value of haemodynamic profiling to the response of antihypertensive therapy. Artery Research, 2014, 8, 189.	0.6	3
53	Heart rate reduction decreases central blood pressure in sick sinus syndrome patients with a permanent cardiac pacemaker. Journal of Human Hypertension, 2018, 32, 377-384.	2.2	3
54	The Cost-Effectiveness of Abdominal Aortic Aneurysm Screening in Estonia. Value in Health Regional Issues, 2020, 22, 1-6.	1.2	3

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55	Remote ischaemic preconditioning influences the levels of acylcarnitines in vascular surgery: a randomised clinical trial. Nutrition and Metabolism, 2020, 17, 76.	3.0	3
56	Atenololâ€™s Inferior Ability to Reduce Central vs Peripheral Blood Pressure Can Be Explained by the Combination of Its Heart Rate-Dependent and Heart Rate-Independent Effects. International Journal of Hypertension, 2020, 2020, 1-8.	1.3	2
57	Listeria monocytogenes infectious abdominal aortic aneurysm: Case report and review of the literature. Clinical Case Reports (discontinued), 2021, 9, 800-804.	0.5	2
58	Effect of Half-Marathon Running on Arterial Stiffness and Blood Biomarkers in High-Level and Recreational Male Athletes. Journal of Sports Science and Medicine, 2021, 20, 548-556.	1.6	2
59	Five-year survival after elective open and endovascular aortic aneurysm repair. Scandinavian Journal of Surgery, 2021, , 145749692110487.	2.6	2
60	Low dialysate potassium and central arterial pressure waveform. Upsala Journal of Medical Sciences, 2015, 120, 207-212.	0.9	1
61	Remote Ischaemic Preconditioning Attenuates Kidney Injury Perioperatively in Patients Undergoing Surgical Lower Limb Revascularisation. European Journal of Vascular and Endovascular Surgery, 2019, 58, e391-e392.	1.5	1
62	Oxidative stress status in homeless people. Oxidants and Antioxidants in Medical Science, 2012, 1, 35.	0.2	1
63	Metabolomic characteristics of arterial stiffness in patients with peripheral arterial disease. Atherosclerosis, 2015, 241, e150-e151.	0.8	0
64	Response to Aboyans, et al.: Estimation of pulse wave velocity in patients with peripheral artery disease: a word of caution. Hypertension Research, 2016, 39, 618-619.	2.7	0
65	P77 TARGETED LIPIDOMICS OF ARTERIAL STIFFNESS AND HEMODYNAMICS IN ATHEROSCLEROSIS. Artery Research, 2018, 24, 101.	0.6	0
66	Are acylcarnitines new biomarkers for OA?. Osteoarthritis and Cartilage, 2018, 26, S194-S195.	1.3	0
67	The effect of pre-seasonal strength training on central hemodynamics and cardiac function in elite powerlifting athletes . Research Reports in Clinical Cardiology, 0, Volume 10, 33-41.	0.2	0
68	Metabolomic Profile of Patients with Abdominal Aortic Aneurysm. European Journal of Vascular and Endovascular Surgery, 2019, 58, e69-e70.	1.5	0