

# Jan Klimas

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

881  
citations

516215  
16  
h-index

500791  
28  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heart rate correction of the QT duration in rats. <i>European Journal of Pharmacology</i> , 2010, 641, 187-192.	1.7	131
2	Perinatally administered losartan augments renal $\text{ACE}^2$ expression but not cardiac or renal Mas receptor in spontaneously hypertensive rats. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1965-1974.	1.6	96
3	Isoproterenol-induced heart failure in the rat is associated with nitric oxide-dependent functional alterations of cardiac function. <i>European Journal of Heart Failure</i> , 2009, 11, 140-146.	2.9	90
4	Caffeine and cardiovascular diseases: critical review of current research. <i>European Journal of Nutrition</i> , 2016, 55, 1331-1343.	1.8	67
5	Discrepancy between increased left ventricular mass and "normal" QRS voltage is associated with decreased connexin 43 expression in early stage of left ventricular hypertrophy in spontaneously hypertensive rats. <i>Journal of Electrocardiology</i> , 2008, 41, 730-734.	0.4	30
6	Modulation of the QT interval duration in hypertension with antihypertensive treatment. <i>Hypertension Research</i> , 2015, 38, 447-454.	1.5	26
7	Stress and high heart rate provoke ventricular tachycardia in mice expressing triadin. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 962-971.	0.9	23
8	Ramipril restores $\text{PPAR}^2/\beta$ and $\text{PPAR}^3$ expressions and reduces cardiac NADPH oxidase but fails to restore cardiac function and accompanied myosin heavy chain ratio shift in severe anthracycline-induced cardiomyopathy in rat. <i>European Journal of Pharmacology</i> , 2016, 791, 244-253.	1.7	23
9	Enalaprilat increases $\text{PPAR}^2/\beta$ expression, without influence on $\text{PPAR}^1$ and $\text{PPAR}^3$ , and modulate cardiac function in sub-acute model of daunorubicin-induced cardiomyopathy. <i>European Journal of Pharmacology</i> , 2013, 714, 472-477.	1.7	22
10	Prolonged QT Interval Is Associated with Blood Pressure Rather Than Left Ventricular Mass in Spontaneously Hypertensive Rats. <i>Clinical and Experimental Hypertension</i> , 2008, 30, 475-485.	0.5	21
11	Pycnogenol <sup>®</sup> improves left ventricular function in streptozotocin-induced diabetic cardiomyopathy in rats. <i>Phytotherapy Research</i> , 2010, 24, 969-974.	2.8	17
12	Pioglitazone, a $\text{PPAR}^3$ agonist, provides comparable protection to angiotensin converting enzyme inhibitor ramipril against adriamycin nephropathy in rat. <i>European Journal of Pharmacology</i> , 2014, 730, 51-60.	1.7	17
13	High glucose induces HGF-independent activation of Met receptor in human renal tubular epithelium. <i>Journal of Receptor and Signal Transduction Research</i> , 2017, 37, 535-542.	1.3	17
14	The Initial Stage of Left Ventricular Hypertrophy in Spontaneously Hypertensive Rats is Manifested by a Decrease in the QRS Amplitude/Left Ventricular Mass Ratio. <i>Clinical and Experimental Hypertension</i> , 2004, 26, 557-567.	0.5	16
15	Relation Between QRS Amplitude and Left Ventricular Mass in the Initial Stage of Exercise-Induced Left Ventricular Hypertrophy in Rats. <i>Clinical and Experimental Hypertension</i> , 2005, 27, 533-541.	0.5	16
16	Increased expression of endothelial nitric oxide synthase and caveolin-1 in the aorta of rats with isoproterenol-induced cardiac hypertrophy. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 1245-1250.	0.7	16
17	Rapid large artery remodeling following the administration and withdrawal of calcium channel blockers in spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 2009, 619, 85-91.	1.7	16
18	Glucose and blood pressure lowering effects of Pycnogenol <sup>®</sup> are inefficient to prevent prolongation of QT interval in experimental diabetic cardiomyopathy. <i>Pathology Research and Practice</i> , 2012, 208, 452-457.	1.0	16

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19	Local and systemic renin-angiotensin system participates in cardiopulmonary-renal interactions in monocrotaline-induced pulmonary hypertension in the rat. <i>Molecular and Cellular Biochemistry</i> , 2016, 418, 147-157.	1.4	16
20	Effect of chronic nNOS inhibition on blood pressure, vasoactivity, and arterial wall structure in Wistar rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 20, 304-310.	1.2	15
21	Discrepant Regulation of QT (QTc) Interval Duration by Calcium Channel Blockade and Angiotensin Converting Enzyme Inhibition in Experimental Hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 111, 279-288.	1.2	13
22	Triadin is a critical determinant of cellular Ca cycling and contractility in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H3165-H3174.	1.5	11
23	l-Arginine Attenuates Cardiac Dysfunction, But Further Down-Regulates Myosin Heavy Chain Expression in Isoproterenol-Induced Cardiomyopathy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 117, 251-260.	1.2	11
24	The utility of biomarker risk prediction score in patients with chronic heart failure. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 18255-64.	1.3	11
25	Downregulation of myogenic microRNAs in sub-chronic but not in sub-acute model of daunorubicin-induced cardiomyopathy. <i>Molecular and Cellular Biochemistry</i> , 2017, 432, 79-89.	1.4	10
26	Vildagliptin improves vascular smooth muscle relaxation and decreases cellular senescence in the aorta of doxorubicin-treated rats. <i>Vascular Pharmacology</i> , 2021, 138, 106855.	1.0	9
27	Analysis of necroptosis and its association with pyroptosis in organ damage in experimental pulmonary arterial hypertension. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2633-2645.	1.6	9
28	Enalapril decreases cardiac mass and fetal gene expression without affecting the expression of endothelin-1, transforming growth factor $\beta$ -1, or cardiotrophin-1 in the healthy normotensive rat. <i>Canadian Journal of Physiology and Pharmacology</i> , 2011, 89, 197-205.	0.7	8
29	Upregulation of SERCA2a following short-term ACE inhibition (by enalaprilat) alters contractile performance and arrhythmogenicity of healthy myocardium in rat. <i>Molecular and Cellular Biochemistry</i> , 2015, 403, 199-208.	1.4	8
30	Hepatocyte growth factor plays a particular role in progression of overall cardiac damage in experimental pulmonary hypertension. <i>International Journal of Medical Sciences</i> , 2019, 16, 854-863.	1.1	8
31	Disease severity-related alterations of cardiac microRNAs in experimental pulmonary hypertension. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 6943-6951.	1.6	8
32	The tyrosine kinase inhibitor crizotinib influences blood glucose and mRNA expression of GLUT4 and PPARs in the heart of rats with experimental diabetes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 635-643.	0.7	8
33	Isolated downregulation of HCN2 in ventricles of rats with streptozotocin-induced diabetic cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 118.	0.7	7
34	Unbalanced upregulation of ryanodine receptor 2 plays a particular role in early development of daunorubicin cardiomyopathy. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1280-94.	0.0	7
35	Impact of platelet phenotype on myocardial infarction. <i>Biomarkers</i> , 2015, 20, 17-25.	0.9	6
36	Effects of inorganic nitrate in a rat model of monocrotaline-induced pulmonary arterial hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020, 126, 99-109.	1.2	6

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37	Dapagliflozin elevates plasma high-density lipoprotein levels and influences visceral fat gene expression in streptozotocin-induced diabetes mellitus. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 778-784.	1.2	6
38	Simvastatin impairs the induction of pulmonary fibrosis caused by a western style diet: a preliminary study. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 2647-2654.	1.6	5
39	Daunorubicin Downâ€Regulates the Expression of Stem Cell Markers and Factors Involved in Stem Cell Migration and Homing in Rat Heart in Subchronic but not Acute Cardiomyopathy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 443-452.	1.2	5
40	The protective effect of 1-methyltryptophan isomers in renal ischemia-reperfusion injury is not exclusively dependent on indolamine 2,3-dioxygenase inhibition. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111180.	2.5	5
41	QRS Voltage-Duration Product in the Identification of Left Ventricular Hypertrophy in Spontaneously Hypertensive Rats. <i>Arquivos Brasileiros De Cardiologia</i> , 2002, 79, 143-148.	0.3	4
42	First Report on an Inotropic Peptide Activating Tetrodotoxin-Sensitive, â€Neuronalâ€ Sodium Currents in the Heart. <i>Circulation: Heart Failure</i> , 2015, 8, 79-88.	1.6	4
43	Opposite alterations of endothelin-1 in lung and pulmonary artery mirror gene expression of bone morphogenetic protein receptor 2 in experimental pulmonary hypertension. <i>Experimental Lung Research</i> , 2019, 45, 30-41.	0.5	4
44	Alternative RAS in Various Hypoxic Conditions: From Myocardial Infarction to COVID-19. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12800.	1.8	4
45	mRNA levels of circadian clock components Bmal1 and Per2 alter independently from dosing time-dependent efficacy of combination treatment with valsartan and amlodipine in spontaneously hypertensive rats. <i>Clinical and Experimental Hypertension</i> , 2017, 39, 754-763.	0.5	3
46	Pegfilgrastim and linagliptin potentiate chemoattraction of Ccr2 and Cd44 stem cells accompanied by alterations of cardiac Hgf, Igf-1 and Mcp-1 in daunorubicin cardiomyopathy. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 1440-1450.	1.2	3
47	Hematocrit-Related Alterations of Circulating microRNA-21 Levels in Heart Failure Patients with Reduced Ejection Fraction: A Preliminary Study. <i>Genetic Testing and Molecular Biomarkers</i> , 2021, 25, 302-306.	0.3	3
48	Drug-Induced Cardiomyopathies. , 2012, , .		1
49	Potential Target Molecules in Diabetic Cardiomyopathy: Hepatocyte Growth Factor (HGF) and Ryanodine Receptor 2 (RyR2). , 0, , .		1
50	Bâ€type natriuretic peptide and heart failure: what can we learn from clinical trials?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 881-887.	0.9	1
51	Pioglitazone restores phosphorylation of downregulated caveolin-1 in right ventricle of monocrotaline-induced pulmonary hypertension. <i>Clinical and Experimental Hypertension</i> , 2021, , 1-12.	0.5	1
52	Physical activity enhances fecal lactobacilli in rats chronically drinking sweetened cola beverage. <i>Open Life Sciences</i> , 2022, 17, 686-694.	0.6	0