

Frantisek Kolar

List of Publications by Year in descending order

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207
papers

4,182
citations

126858

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all docs

211
docs citations

211
times ranked

4337
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. <i>Cell Metabolism</i> , 2019, 29, 399-416.e10.	7.2	190
2	Endonuclease G is a novel determinant of cardiac hypertrophy and mitochondrial function. <i>Nature</i> , 2011, 478, 114-118.	13.7	135
3	Cardiac adaptation to chronic high-altitude hypoxia: Beneficial and adverse effects. <i>Respiratory Physiology and Neurobiology</i> , 2007, 158, 224-236.	0.7	107
4	Adaptation to High Altitude Hypoxia Protects the Rat Heart Against Ischemia-induced Arrhythmias. Involvement of Mitochondrial KATPChannel. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 1821-1831.	0.9	100
5	Cardioprotective effects of chronic hypoxia and ischaemic preconditioning are not additive. <i>Basic Research in Cardiology</i> , 2002, 97, 161-167.	2.5	99
6	Role of oxidative stress in PKC- δ upregulation and cardioprotection induced by chronic intermittent hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H224-H230.	1.5	87
7	Reciprocal changes in the postnatal expression of the sarcolemmal Na ⁺ -Ca ²⁺ -exchanger and SERCA2 in rat heart. <i>Journal of Molecular and Cellular Cardiology</i> , 1995, 27, 1689-1701.	0.9	85
8	Effects of mitochondrial KATP modulators on cardioprotection induced by chronic high altitude hypoxia in rats. <i>Cardiovascular Research</i> , 2002, 55, 567-575.	1.8	80
9	Differential role of PI3K/Akt pathway in the infarct size limitation and antiarrhythmic protection in the rat heart. <i>Molecular and Cellular Biochemistry</i> , 2007, 297, 111-120.	1.4	68
10	Tolerance to Ischaemia and Ischaemic Preconditioning in Neonatal Rat Heart. <i>Journal of Molecular and Cellular Cardiology</i> , 1998, 30, 857-865.	0.9	64
11	Inhibition of soluble epoxide hydrolase by <i>cis</i> -4-[4-(3-adamantan-1-ylureido)cyclohexyl-oxy]benzoic acid exhibits antihypertensive and cardioprotective actions in transgenic rats with angiotensin II-dependent hypertension. <i>Clinical Science</i> , 2012, 122, 513-527.	1.8	63
12	Effect of anemia on cardiac function, microvascular structure, and capillary hematocrit in rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1407-H1414.	1.5	57
13	Effects of melatonin on ischemia and reperfusion injury of the rat heart. <i>Cardiovascular Drugs and Therapy</i> , 2001, 15, 251-257.	1.3	57
14	Short-Term Fasting Reduces the Extent of Myocardial Infarction and Incidence of Reperfusion Arrhythmias in Rats. <i>Physiological Research</i> , 2012, 61, 567-574.	0.4	54
15	Ischemic tolerance of rat hearts in acute and chronic phases of experimental diabetes. <i>Molecular and Cellular Biochemistry</i> , 2003, 249, 167-174.	1.4	53
16	Myocardial infarct size-limiting effect of chronic hypoxia persists for five weeks of normoxic recovery. <i>Physiological Research</i> , 2004, 53, 621-8.	0.4	53
17	Ischemic Preconditioning in Chronically Hypoxic Neonatal Rat Heart. <i>Pediatric Research</i> , 2002, 52, 561-567.	1.1	51
18	HIF-1 α is required for development of the sympathetic nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13414-13423.	3.3	50

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19	Gene expression profiling of sex differences in HIF1-dependent adaptive cardiac responses to chronic hypoxia. <i>Journal of Applied Physiology</i> , 2010, 109, 1195-1202.	1.2	48
20	Role of endogenous opioid peptides in the infarct size-limiting effect of adaptation to chronic continuous hypoxia. <i>Life Sciences</i> , 2013, 93, 373-379.	2.0	48
21	G Proteins, β^2 -Adrenoreceptors and β^2 -Adrenergic Responsiveness in Immature and Adult Rat Ventricular Myocardium: Influence of Neonatal Hypo- and Hyperthyroidism. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 761-772.	0.9	46
22	Early Postnatal Development of Contractile Performance and Responsiveness to Ca^{2+} , Verapamil and Ryanodine in the Isolated Rat Heart. <i>Journal of Molecular and Cellular Cardiology</i> , 1993, 25, 733-740.	0.9	45
23	Transplantation-induced Atrophy of Normal and Hypertrophic Rat Hearts: Effect on Cardiac Myocytes and Capillaries. <i>Journal of Molecular and Cellular Cardiology</i> , 1997, 29, 1045-1054.	0.9	45
24	Wars2 is a determinant of angiogenesis. <i>Nature Communications</i> , 2016, 7, 12061.	5.8	45
25	The effect of AT1 receptor antagonist on chronic cardiac response to coronary artery ligation in rats. <i>Cardiovascular Research</i> , 1996, 31, 568-576.	1.8	44
26	Regression of chronic hypoxia-induced pulmonary hypertension, right ventricular hypertrophy, and fibrosis: effect of enalapril. <i>Cardiovascular Drugs and Therapy</i> , 1997, 11, 177-185.	1.3	44
27	Ventricular arrhythmias following coronary artery occlusion in rats: is the diabetic heart less or more sensitive to ischaemia?. <i>Basic Research in Cardiology</i> , 2001, 96, 160-168.	2.5	44
28	Alterations in Ca^{2+} -channels during the development of diabetic cardiomyopathy. <i>Molecular and Cellular Biochemistry</i> , 1992, 109, 173-9.	1.4	42
29	Thyroid control of sarcolemmal Na^+/Ca^{2+} -exchanger and SR Ca^{2+} -ATPase in developing rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H264-H273.	1.5	38
30	Effect of increased pressure loading on heart growth in neonatal rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 301-309.	0.9	38
31	Increased expression and altered subcellular distribution of PKC- ζ in chronically hypoxic rat myocardium: involvement in cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1566-H1572.	1.5	38
32	Pharmacological activation of mitochondrial BK_{Ca} channels protects isolated cardiomyocytes against simulated reperfusion-induced injury. <i>Experimental Biology and Medicine</i> , 2013, 238, 233-241.	1.1	38
33	Right ventricular function in rats with hypoxic pulmonary hypertension. <i>Pflugers Archiv European Journal of Physiology</i> , 1991, 419, 121-126.	1.3	35
34	Mitochondrial BK_{Ca} channels contribute to protection of cardiomyocytes isolated from chronically hypoxic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H507-H513.	1.5	35
35	Cardioprotective effect of chronic hypoxia is blunted by concomitant hypercapnia. <i>Physiological Research</i> , 2003, 52, 171-5.	0.4	34
36	Regulation of cardiac sarcolemmal Ca^{2+} channels and Ca^{2+} transporters by thyroid hormone. <i>Molecular and Cellular Biochemistry</i> , 1993, 129, 145-159.	1.4	33

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37	Effects of some L-carnitine derivatives on heart membrane ATPases. <i>Cardiovascular Drugs and Therapy</i> , 1991, 5, 25-30.	1.3	32
38	Chronic hypoxia alters fatty acid composition of phospholipids in right and left ventricular myocardium. <i>Molecular and Cellular Biochemistry</i> , 2002, 232, 49-56.	1.4	32
39	Evidence of necroptosis in hearts subjected to various forms of ischemic insults. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1163-1169.	0.7	32
40	Effects of adaptation to intermittent high altitude hypoxia on ischemic ventricular arrhythmias in rats. <i>Physiological Research</i> , 2000, 49, 597-606.	0.4	32
41	Influence of thyroid status on postnatal maturation of calcium channels, β -adrenoceptors and cation transport ATPases in rat ventricular tissue. <i>Journal of Molecular and Cellular Cardiology</i> , 1995, 27, 1731-1743.	0.9	31
42	ANG II type 1 receptor antagonist irbesartan inhibits coronary angiogenesis stimulated by chronic intermittent hypoxia in neonatal rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1237-H1244.	1.5	29
43	EFFECT OF PERINATAL HYPOXIA ON CARDIAC TOLERANCE TO ACUTE ISCHAEMIA IN ADULT MALE AND FEMALE RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 714-719.	0.9	28
44	The effect of AT1 receptor antagonist on chronic cardiac response to coronary artery ligation in rats. <i>Cardiovascular Research</i> , 1996, 31, 568-576.	1.8	28
45	The effects of hydrocortisone on rat heart muscarinic and adrenergic β ₁ , β ₂ and α ₁ receptors, propranolol-resistant binding sites and on some subsequent steps in intracellular signalling. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 368, 366-376.	1.4	27
46	Chronic Intermittent Hypoxia Induces 11 β -Hydroxysteroid Dehydrogenase in Rat Heart. <i>Endocrinology</i> , 2009, 150, 4270-4277.	1.4	27
47	Chronic Hypoxia Enhances Expression and Activity of Mitochondrial Creatine Kinase and Hexokinase in the Rat Ventricular Myocardium. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 310-320.	1.1	27
48	Changes in the expression and/or activation of regulatory proteins in rat hearts adapted to chronic hypoxia. <i>General Physiology and Biophysics</i> , 2006, 25, 25-41.	0.4	27
49	Two pharmacological epoxyeicosatrienoic acid-enhancing therapies are effectively antihypertensive and reduce the severity of ischemic arrhythmias in rats with angiotensin II-dependent hypertension. <i>Journal of Hypertension</i> , 2018, 36, 1326-1341.	0.3	26
50	Molecular mechanisms of cardiac protection by adaptation to chronic hypoxia. <i>Physiological Research</i> , 2004, 53 Suppl 1, S3-13.	0.4	26
51	Functional changes in the right and left ventricle during development of cardiac hypertrophy and after its regression. <i>Cardiovascular Research</i> , 1992, 26, 845-850.	1.8	25
52	Altered myocardial Gs protein and adenylyl cyclase signaling in rats exposed to chronic hypoxia and normoxic recovery. <i>Journal of Applied Physiology</i> , 2003, 94, 2423-2432.	1.2	25
53	Sex differences in cardiovascular function. <i>Acta Physiologica</i> , 2013, 207, 584-587.	1.8	25
54	Different signalling in infarcted and non-infarcted areas of rat failing hearts: A role of necroptosis and inflammation. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6429-6441.	1.6	25

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55	Thyroid control of contractile function and calcium handling in neonatal rat heart. <i>Pflugers Archiv European Journal of Physiology</i> , 1992, 421, 26-31.	1.3	24
56	Right-To-Left Ventricular Differences in the Expression of Mitochondrial Hexokinase and Phosphorylation of Akt. <i>Cellular Physiology and Biochemistry</i> , 2013, 31, 66-79.	1.1	24
57	Ontogenetic differences in cardiopulmonary adaptation to chronic hypoxia. <i>Physiological Research</i> , 1995, 44, 45-51.	0.4	24
58	Expression and localization of caveolins during postnatal development in rat heart: implication of thyroid hormone. <i>Journal of Applied Physiology</i> , 2005, 99, 244-251.	1.2	23
59	Up-regulation and redistribution of protein kinase C- β in chronically hypoxic heart. <i>Molecular and Cellular Biochemistry</i> , 2010, 345, 271-282.	1.4	23
60	Effect of intermittent high altitude hypoxia on gene expression in rat heart and lung. <i>Physiological Research</i> , 2003, 52, 147-57.	0.4	23
61	Mitochondrial K ^{ATP} opening confers protection against lethal myocardial injury and ischaemia-induced arrhythmias in the rat heart via PI3K/Akt-dependent and -independent mechanisms This article is one of a selection of papers published in a special issue on <i>Advances in Cardiovascular Research</i> , <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 1055-1062.	0.7	22
62	Interstitial pressure and lung oedema in chronic hypoxia. <i>European Respiratory Journal</i> , 2011, 37, 943-949.	3.1	22
63	Adverse effects of Hif1a mutation and maternal diabetes on the offspring heart. <i>Cardiovascular Diabetology</i> , 2018, 17, 68.	2.7	22
64	Developmental and sex differences in cardiac tolerance to ischemia-reperfusion injury: the role of mitochondria. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 808-814.	0.7	22
65	Tolerance to acute ischemia in adult male and female spontaneously hypertensive rats. <i>Physiological Research</i> , 2007, 56, 267-274.	0.4	22
66	Systolic mechanical performance of heterotopically transplanted hearts in rats treated with cyclosporin. <i>Cardiovascular Research</i> , 1993, 27, 1244-1247.	1.8	21
67	Global Changes in the Rat Heart Proteome Induced by Prolonged Morphine Treatment and Withdrawal. <i>PLoS ONE</i> , 2012, 7, e47167.	1.1	21
68	Knockout of Tmem70 alters biogenesis of ATP synthase and leads to embryonal lethality in mice. <i>Human Molecular Genetics</i> , 2016, 25, ddw295.	1.4	21
69	Infarct size-limiting effect of epoxyeicosatrienoic acid analog EET-B is mediated by hypoxia-inducible factor-1 α via downregulation of prolyl hydroxylase 3. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1148-H1158.	1.5	21
70	Comparison of Cardiopulmonary Response to Intermittent High-Altitude Hypoxia in Young and Adult Rats. <i>Respiration</i> , 1989, 56, 57-62.	1.2	20
71	Cardiac function, microvascular structure, and capillary hematocrit in hearts of polycythemic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H2425-H2431.	1.5	20
72	Cardioprotective adaptation of rats to intermittent hypobaric hypoxia is accompanied by the increased association of hexokinase with mitochondria. <i>Journal of Applied Physiology</i> , 2015, 119, 1487-1493.	1.2	20

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73	Brief Daily Episode of Normoxia Inhibits Cardioprotection Conferred by Chronic Continuous Hypoxia. Role of Oxidative Stress and BK ₂ Ca _v Channels. <i>Current Pharmaceutical Design</i> , 2013, 19, 6880-6889.	0.9	20
74	N-acetylcysteine Treatment Prevents the Up-Regulation of MnSOD in Chronically Hypoxic Rat Hearts. <i>Physiological Research</i> , 2011, 60, 467-474.	0.4	20
75	The Impact of Lifestyle-Related Risk Factors on Cardiac Response to Ischemia and Possibilities to Restore Impaired Ischemic Tolerance. <i>Physiological Research</i> , 2012, 61, S1-S10.	0.4	20
76	Changes in calcium handling in atrophic heterotopically isografted rat hearts. <i>Basic Research in Cardiology</i> , 1995, 90, 475-481.	2.5	19
77	CD36 overexpression predisposes to arrhythmias but reduces infarct size in spontaneously hypertensive rats: gene expression profile analysis. <i>Physiological Genomics</i> , 2012, 44, 173-182.	1.0	19
78	Tumour necrosis factor α contributes to improved cardiac ischaemic tolerance in rats adapted to chronic continuous hypoxia. <i>Acta Physiologica</i> , 2015, 214, 97-108.	1.8	19
79	Selective replacement of mitochondrial DNA increases the cardioprotective effect of chronic continuous hypoxia in spontaneously hypertensive rats. <i>Clinical Science</i> , 2017, 131, 865-881.	1.8	19
80	Epoxyeicosatrienoic acid analog EET-B attenuates post-myocardial infarction remodeling in spontaneously hypertensive rats. <i>Clinical Science</i> , 2019, 133, 939-951.	1.8	19
81	Cardiac Ischemia: From Injury to Protection. <i>Basic Science for the Cardiologist</i> , 1999, , .	0.1	19
82	Triglyceride-lowering Effect of Respiratory Uncoupling in White Adipose Tissue. <i>Obesity</i> , 2005, 13, 835-844.	4.0	18
83	Effects of mtDNA in SHR-mt ^{F344} versus SHR conplastic strains on reduced OXPHOS enzyme levels, insulin resistance, cardiac hypertrophy, and systolic dysfunction. <i>Physiological Genomics</i> , 2014, 46, 671-678.	1.0	18
84	Partial deficiency of HIF-1 α stimulates pathological cardiac changes in streptozotocin-induced diabetic mice. <i>BMC Endocrine Disorders</i> , 2014, 14, 11.	0.9	18
85	Cardioprotective and nonprotective regimens of chronic hypoxia diversely affect the myocardial antioxidant systems. <i>Physiological Genomics</i> , 2015, 47, 612-620.	1.0	18
86	Chronic intermittent hypoxia affects the cytosolic phospholipase A ₂ /cyclooxygenase 2 pathway via β 2-adrenoceptor-mediated ERK/p38 stimulation. <i>Molecular and Cellular Biochemistry</i> , 2016, 423, 151-163.	1.4	18
87	Anti-arrhythmic Cardiac Phenotype Elicited by Chronic Intermittent Hypoxia Is Associated With Alterations in Connexin-43 Expression, Phosphorylation, and Distribution. <i>Frontiers in Endocrinology</i> , 2018, 9, 789.	1.5	18
88	Pressure Overload Induced in Newborn Rats: Effects on Left Ventricular Growth, Morphology, and Function. <i>Pediatric Research</i> , 1998, 43, 521-526.	1.1	18
89	Upregulation of Genes Involved in Cardiac Metabolism Enhances Myocardial Resistance to Ischemia/Reperfusion in the Rat Heart. <i>Physiological Research</i> , 2013, 62, S151-S163.	0.4	17
90	MCC-134, a blocker of mitochondrial and opener of sarcolemmal ATP-sensitive K ⁺ channels, abrogates cardioprotective effects of chronic hypoxia. <i>Physiological Research</i> , 2005, 54, 467-71.	0.4	17

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91	Effect of verapamil on contractile function of the isolated perfused rat heart during postnatal ontogeny. <i>Basic Research in Cardiology</i> , 1990, 85, 429-434.	2.5	16
92	Early and late effect of neonatal hypo- and hyperthyroidism on coronary capillary geometry and long-term heart function in rat. <i>Cardiovascular Research</i> , 1997, 33, 230-240.	1.8	16
93	Membrane-bound and cytosolic forms of heterotrimeric G proteins in young and adult rat myocardium: Influence of neonatal hypo- and hyperthyroidism. <i>Journal of Cellular Biochemistry</i> , 2001, 82, 215-224.	1.2	16
94	Protective effects of dexrazoxane against acute ischaemia/reperfusion injury of rat hearts. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 1303-1310.	0.7	16
95	Myocardial ischemic tolerance in rats subjected to endurance exercise training during adaptation to chronic hypoxia. <i>Journal of Applied Physiology</i> , 2017, 122, 1452-1461.	1.2	16
96	Remote Preconditioning as a Novel "Conditioning" Approach to Repair the Broken Heart: Potential Mechanisms and Clinical Applications. <i>Physiological Research</i> , 2016, 65 Suppl 1, S55-S64.	0.4	16
97	Involvement of PKC δ in Cardioprotection Induced by Adaptation to Chronic Continuous Hypoxia. <i>Physiological Research</i> , 2015, 64, 191-201.	0.4	15
98	Thyroid status and postnatal changes in subsarcolemmal distribution and isoform expression of rat cardiac dihydropyridine receptors. <i>Cardiovascular Research</i> , 1998, 37, 151-159.	1.8	14
99	Postnatal development of phospholipids and their fatty acid profile in rat heart. <i>Molecular and Cellular Biochemistry</i> , 2006, 293, 23-33.	1.4	14
100	Antiarrhythmic effect of prolonged morphine exposure is accompanied by altered myocardial adenylyl cyclase signaling in rats. <i>Pharmacological Reports</i> , 2012, 64, 351-359.	1.5	14
101	Orally active epoxyeicosatrienoic acid analog does not exhibit antihypertensive and reno- or cardioprotective actions in two-kidney, one-clip Goldblatt hypertensive rats. <i>Vascular Pharmacology</i> , 2015, 73, 45-56.	1.0	14
102	Adaptation to chronic continuous hypoxia potentiates Akt/HK2 anti-apoptotic pathway during brief myocardial ischemia/reperfusion insult. <i>Molecular and Cellular Biochemistry</i> , 2017, 432, 99-108.	1.4	14
103	Altered Renal Vascular Responsiveness to Vasoactive Agents in Rats with Angiotensin II-Dependent Hypertension and Congestive Heart Failure. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 792-809.	0.9	14
104	Pertussis toxin inhibits negative inotropic and negative chronotropic muscarinic cholinergic effects on the heart. <i>Pflügers Archiv European Journal of Physiology</i> , 1987, 408, 167-172.	1.3	13
105	Effect of Pressure Overload on Angiotensin Receptor Expression in the Rat Heart During Early Postnatal Life. <i>Journal of Molecular and Cellular Cardiology</i> , 2000, 32, 1631-1645.	0.9	13
106	The Role of Renal Vascular Reactivity in the Development of Renal Dysfunction in Compensated and Decompensated Congestive Heart Failure. <i>Kidney and Blood Pressure Research</i> , 2018, 43, 1730-1741.	0.9	13
107	Epoxyeicosatrienoic Acid-Based Therapy Attenuates the Progression of Postischemic Heart Failure in Normotensive Sprague-Dawley but Not in Hypertensive Ren-2 Transgenic Rats. <i>Frontiers in Pharmacology</i> , 2019, 10, 159.	1.6	13
108	Reduced susceptibility to ischemia-induced arrhythmias in the preconditioned rat heart is independent of PI3-kinase/Akt. <i>Physiological Research</i> , 2009, 58, 443-447.	0.4	13

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109	Dietary polyunsaturated fatty acids alter myocardial protein kinase C expression and affect cardioprotection induced by chronic hypoxia. <i>Experimental Biology and Medicine</i> , 2007, 232, 823-32.	1.1	13
110	Myocardial fibrosis and right ventricular function of heterotopically transplanted hearts in rats treated with cyclosporin. <i>Molecular and Cellular Biochemistry</i> , 1996, 163-164, 253-260.	1.4	12
111	Effect of the preweaning nutritional state on the cardiac protein profile and functional performance of the rat heart. <i>Molecular and Cellular Biochemistry</i> , 1997, 177, 221-228.	1.4	12
112	The effect of the ultrashort beta-blocker esmolol on cardiac function recovery: an experimental study. <i>European Journal of Cardio-thoracic Surgery</i> , 1999, 15, 199-203.	0.6	12
113	2-Hydroxyoleic acid affects cardiomyocyte $[Ca^{2+}]_i$ transient and contractility in a region-dependent manner. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H1948-H1955.	1.5	12
114	Ischemic Preconditioning in Chronically Hypoxic Neonatal Rat Heart. <i>Pediatric Research</i> , 2002, 52, 561-567.	1.1	12
115	ENDOGENOUS OPIOID SYSTEM AS A MEDIATOR OF ACUTE AND LONG-TERM ADAPTATION TO STRESS. PROSPECTS FOR CLINICAL USE OF OPIOID PEPTIDES. <i>Vestnik Rossiiskoi Akademii Meditsinskikh Nauk</i> , 2012, 67, 73-82.	0.2	12
116	Cardiac Adaptation to Chronic Hypoxia. <i>Advances in Organ Biology</i> , 1998, , 43-60.	0.1	11
117	Mitochondrial uncoupling protein 2 gene transcript levels are elevated in maturing erythroid cells. <i>FEBS Letters</i> , 2007, 581, 1093-1097.	1.3	11
118	Developmental determinants of cardiac sensitivity to hypoxia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 566-574.	0.7	11
119	Preserved cardiac mitochondrial function and reduced ischaemia/reperfusion injury afforded by chronic continuous hypoxia: Role of opioid receptors. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 496-501.	0.9	11
120	Adverse Effects of AMP-Activated Protein Kinase α 2-Subunit Deletion and High-Fat Diet on Heart Function and Ischemic Tolerance in Aged Female Mice. <i>Physiological Research</i> , 2016, 65, 33-42.	0.4	11
121	Participation of opioid receptors in the cytoprotective effect of chronic normobaric hypoxia. <i>Physiological Research</i> , 2019, 68, 245-253.	0.4	11
122	Cardiac phosphocreatine deficiency induced by GPA during postnatal development in rat. <i>Molecular and Cellular Biochemistry</i> , 1996, 163-164, 67-76.	1.4	10
123	Cardioprotective Effects of Chronic Hypoxia: Relation to Preconditioning. <i>Medical Intelligence Unit</i> , 1996, , 261-275.	0.2	10
124	Protein Kinase C Activity and Isoform Expression During Early Postnatal Development of Rat Myocardium. <i>Cell Biochemistry and Biophysics</i> , 2005, 43, 105-118.	0.9	10
125	Dietary polyunsaturated fatty acids and adaptation to chronic hypoxia alter acyl composition of serum and heart lipids. <i>British Journal of Nutrition</i> , 2009, 102, 1297-1307.	1.2	10
126	<i>In vitro</i> and <i>in vivo</i> investigation of cardiotoxicity associated with anticancer proteasome inhibitors and their combination with anthracycline. <i>Clinical Science</i> , 2019, 133, 1827-1844.	1.8	10

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127	Beneficial Effect of Continuous Normobaric Hypoxia on Ventricular Dilatation in Rats With Post-Infarction Heart Failure. <i>Physiological Research</i> , 2016, 65, 867-870.	0.4	10
128	The inhibition of angiotensin converting enzyme attenuates the effects of chronic hypoxia on pulmonary blood vessels in the rat. <i>Physiological Research</i> , 1996, 45, 221-6.	0.4	10
129	Oxygen consumption in rat skeletal muscle at various rates of oxygen delivery. <i>Experientia</i> , 1984, 40, 353-354.	1.2	9
130	Preparation of Metallochelating Microbubbles and Study on Their Site-Specific Interaction with rGFP-HisTag as a Model Protein. <i>Langmuir</i> , 2011, 27, 4829-4837.	1.6	9
131	Transgenic rescue of defective Cd36 enhances myocardial adenylyl cyclase signaling in spontaneously hypertensive rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1477-1486.	1.3	9
132	Selection of optimal reference genes for gene expression studies in chronically hypoxic rat heart. <i>Molecular and Cellular Biochemistry</i> , 2019, 461, 15-22.	1.4	9
133	Transient Upregulation of Protein Kinase C in Pressure-Overloaded Neonatal Rat Myocardium. <i>Physiological Research</i> , 2010, 59, 25-33.	0.4	9
134	Effect of prenatal hypoxia on contractile performance and responsiveness to Ca ²⁺ in the isolated perinatal rat heart. <i>Physiological Research</i> , 1995, 44, 135-137.	0.4	9
135	Transient inotropic effects of low extracellular sodium in perfused rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1990, 259, H712-H719.	1.5	8
136	Regulation of mitochondrial contact sites in neonatal, juvenile and diabetic hearts. <i>Molecular and Cellular Biochemistry</i> , 2002, 236, 37-44.	1.4	8
137	Role of ATP-sensitive K ⁺ -channels in antiarrhythmic and cardioprotective action of adaptation to intermittent hypobaric hypoxia. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 145, 418-421.	0.3	8
138	Mitochondrial genome modulates myocardial Akt/Glut/HK salvage pathway in spontaneously hypertensive rats adapted to chronic hypoxia. <i>Physiological Genomics</i> , 2018, 50, 532-541.	1.0	8
139	Renal Sympathetic Denervation Attenuates Congestive Heart Failure in Angiotensin II-Dependent Hypertension: Studies with Ren-2 Transgenic Hypertensive Rats with Aortocaval Fistula. <i>Kidney and Blood Pressure Research</i> , 2021, 46, 95-113.	0.9	8
140	Myocardial phospholipid remodeling under different types of load imposed during early postnatal development. <i>Physiological Research</i> , 2009, 58 Suppl 2, S13-S32.	0.4	8
141	Inotropic effect of low extracellular sodium on perfused perinatal rat heart. <i>Canadian Journal of Physiology and Pharmacology</i> , 1995, 73, 50-54.	0.7	7
142	Pleiotropic preconditioning-like cardioprotective effects of hypolipidemic drugs in acute ischemia-reperfusion in normal and hypertensive rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 495-503.	0.7	7
143	β^2 -Adrenergic signaling in rat heart is similarly affected by continuous and intermittent normobaric hypoxia. <i>General Physiology and Biophysics</i> , 2016, 35, 165-173.	0.4	7
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