Frantisek Kolar

List of Publications by Year
in descending order

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207	4,182	126858	182361
papers	citations	33 h-index	51 g-index

211	211	211	4337
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relevance of necroptosis in the hearts subjected to acute versus chronic ischemia/reperfusion injury. Cardiovascular Research, 2022, 118, .	1.8	0
2	The cardioprotective effect persisting during recovery from cold acclimation is mediated by the Î²2-adrenoceptor pathway and Akt activation. Journal of Applied Physiology, 2021, 130, 746-755.	1.2	3
3	Renal Sympathetic Denervation Attenuates Congestive Heart Failure in Angiotensin II-Dependent Hypertension: Studies with Ren-2 Transgenic Hypertensive Rats with Aortocaval Fistula. Kidney and Blood Pressure Research, 2021, 46, 95-113.	0.9	8
4	Excess ischemic tachyarrhythmias trigger protection against myocardial infarction in hypertensive rats. Clinical Science, 2021, 135, 2143-2163.	1.8	1
5	Conplastic strains for identification of retrograde effects of mitochondrial dna variation on cardiometabolic traits in the spontaneously hypertensive rat. Physiological Research, 2021, , S471-S481.	0.4	2
6	Conplastic strains for identification of retrograde effects of mitochondrial dna variation on cardiometabolic traits in the spontaneously hypertensive rat.. Physiological Research, 2021, 70, S471-S484.	0.4	0
7	Left ventricular function and remodelling in rats exposed stepwise up to extreme chronic intermittent hypoxia. Respiratory Physiology and Neurobiology, 2020, 282, 103526.	0.7	2
8	Programmed Cell Death in the Left and Right Ventricle of the Late Phase of Post-Infarction Heart Failure. International Journal of Molecular Sciences, 2020, 21, 7782.	1.8	5
9	Gradual cold acclimation induces cardioprotection without affecting Î²-adrenergic receptor-mediated adenylyl cyclase signaling. Journal of Applied Physiology, 2020, 128, 1023-1032.	1.2	7
10	Selection of optimal reference genes for gene expression studies in chronically hypoxic rat heart. Molecular and Cellular Biochemistry, 2019, 461, 15-22.	1.4	9
11	Different signalling in infarcted and nonâ€infarcted areas of rat failing hearts: A role of necroptosis and inflammation. Journal of Cellular and Molecular Medicine, 2019, 23, 6429-6441.	1.6	25
12	Enhanced Renal Vascular Responsiveness to Angiotensin II and Norepinephrine: A Unique Feature of Female Rats with Congestive Heart Failure. Kidney and Blood Pressure Research, 2019, 44, 1128-1141.	0.9	6
13	Altered Renal Vascular Responsiveness to Vasoactive Agents in Rats with Angiotensin II-Dependent Hypertension and Congestive Heart Failure. Kidney and Blood Pressure Research, 2019, 44, 792-809.	0.9	14
14	In vitro and in vivo investigation of cardiotoxicity associated with anticancer proteasome inhibitors and their combination with anthracycline. Clinical Science, 2019, 133, 1827-1844.	1.8	10
15	HIF-1Î± is required for development of the sympathetic nervous system. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13414-13423.	3.3	50
16	Developmental and sex differences in cardiac tolerance to ischemiaâ€“reperfusion injury: the role of mitochondria. Canadian Journal of Physiology and Pharmacology, 2019, 97, 808-814.	0.7	22
17	Epoxyeicosatrienoic Acid-Based Therapy Attenuates the Progression of Postischemic Heart Failure in Normotensive Sprague-Dawley but Not in Hypertensive Ren-2 Transgenic Rats. Frontiers in Pharmacology, 2019, 10, 159.	1.6	13
18	Epoxyeicosatrienoic acid analog EET-B attenuates post-myocardial infarction remodeling in spontaneously hypertensive rats. Clinical Science, 2019, 133, 939-951.	1.8	19

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19	Cardioprotective Regimen of Adaptation to Chronic Hypoxia Diversely Alters Myocardial Gene Expression in SHR and SHR-mtBN Conplastic Rat Strains. Frontiers in Endocrinology, 2019, 9, 809.	1.5	7
20	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. Cell Metabolism, 2019, 29, 399-416.e10.	7.2	190
21	Participation of opioid receptors in the cytoprotective effect of chronic normobaric hypoxia. Physiological Research, 2019, 68, 245-253.	0.4	11
22	Cardiotoxicity of Î²-mimetic catecholamines during ontogenetic development â€" possible risks of antenatal therapy. Canadian Journal of Physiology and Pharmacology, 2018, 96, 639-646.	0.7	1
23	Proteomic analysis of cardiac ventricles: baso-apical differences. Molecular and Cellular Biochemistry, 2018, 445, 211-219.	1.4	5
24	Two pharmacological epoxyeicosatrienoic acid-enhancing therapies are effectively antihypertensive and reduce the severity of ischemic arrhythmias in rats with angiotensin II-dependent hypertension. Journal of Hypertension, 2018, 36, 1326-1341.	0.3	26
25	Î²-Adrenergic signaling, monoamine oxidase A and antioxidant defence in the myocardium of SHR and SHR-mtBN conplastic rat strains: the effect of chronic hypoxia. Journal of Physiological Sciences, 2018, 68, 441-454.	0.9	5
26	The Role of Renal Vascular Reactivity in the Development of Renal Dysfunction in Compensated and Decompensated Congestive Heart Failure. Kidney and Blood Pressure Research, 2018, 43, 1730-1741.	0.9	13
27	Infarct size-limiting effect of epoxyeicosatrienoic acid analog EET-B is mediated by hypoxia-inducible factor-1Î± via downregulation of prolyl hydroxylase 3. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1148-H1158.	1.5	21
28	Mitochondrial genome modulates myocardial Akt/Glut/HK salvage pathway in spontaneously hypertensive rats adapted to chronic hypoxia. Physiological Genomics, 2018, 50, 532-541.	1.0	8
29	Adverse effects of Hif1a mutation and maternal diabetes on the offspring heart. Cardiovascular Diabetology, 2018, 17, 68.	2.7	22
30	Anti-arrhythmic Cardiac Phenotype Elicited by Chronic Intermittent Hypoxia Is Associated With Alterations in Connexin-43 Expression, Phosphorylation, and Distribution. Frontiers in Endocrinology, 2018, 9, 789.	1.5	18
31	Evidence of necroptosis in hearts subjected to various forms of ischemic insults. Canadian Journal of Physiology and Pharmacology, 2017, 95, 1163-1169.	0.7	32
32	Myocardial ischemic tolerance in rats subjected to endurance exercise training during adaptation to chronic hypoxia. Journal of Applied Physiology, 2017, 122, 1452-1461.	1.2	16
33	Antioxidant tempol suppresses heart cytosolic phospholipase A₂Î± stimulated by chronic intermittent hypoxia. Canadian Journal of Physiology and Pharmacology, 2017, 95, 920-927.	0.7	2
34	Selective replacement of mitochondrial DNA increases the cardioprotective effect of chronic continuous hypoxia in spontaneously hypertensive rats. Clinical Science, 2017, 131, 865-881.	1.8	19
35	Adaptation to chronic continuous hypoxia potentiates Akt/HK2 anti-apoptotic pathway during brief myocardial ischemia/reperfusion insult. Molecular and Cellular Biochemistry, 2017, 432, 99-108.	1.4	14
36	Noninvasive approach to mend the broken heart: Is â€œremote conditioningâ€•a promising strategy for application in humans?. Canadian Journal of Physiology and Pharmacology, 2017, 95, 1204-1212.	0.7	5

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37	Î²-Adrenergic signaling in rat heart is similarly affected by continuous and intermittent normobaric hypoxia. General Physiology and Biophysics, 2016, 35, 165-173.	0.4	7
38	Chronic intermittent hypoxia affects the cytosolic phospholipase A2Î±/cyclooxygenase 2 pathway via Î²2-adrenoceptor-mediated ERK/p38 stimulation. Molecular and Cellular Biochemistry, 2016, 423, 151-163.	1.4	18
39	Knockout of Tmem70 alters biogenesis of ATP synthase and leads to embryonal lethality in mice. Human Molecular Genetics, 2016, 25, ddw295.	1.4	21
40	Wars2 is a determinant of angiogenesis. Nature Communications, 2016, 7, 12061.	5.8	45
41	Adverse Effects of AMP-Activated Protein Kinase Î±2-Subunit Deletion and High-Fat Diet on Heart Function and Ischemic Tolerance in Aged Female Mice. Physiological Research, 2016, 65, 33-42.	0.4	11
42	Beneficial Effect of Continuous Normobaric Hypoxia on Ventricular Dilatation in Rats With Post-Infarction Heart Failure. Physiological Research, 2016, 65, 867-870.	0.4	10
43	Remote Preconditioning as a Novel â€žConditioningâ€œ Approach to Repair the Broken Heart: Potential Mechanisms and Clinical Applications. Physiological Research, 2016, 65 Suppl 1, S55-S64.	0.4	16
44	Cardioprotective and nonprotective regimens of chronic hypoxia diversely affect the myocardial antioxidant systems. Physiological Genomics, 2015, 47, 612-620.	1.0	18
45	Pleiotropic preconditioning-like cardioprotective effects of hypolipidemic drugs in acute ischemiaâ€“reperfusion in normal and hypertensive rats. Canadian Journal of Physiology and Pharmacology, 2015, 93, 495-503.	0.7	7
46	Cardioprotective adaptation of rats to intermittent hypobaric hypoxia is accompanied by the increased association of hexokinase with mitochondria. Journal of Applied Physiology, 2015, 119, 1487-1493.	1.2	20
47	Preserved cardiac mitochondrial function and reduced ischaemia/reperfusion injury afforded by chronic continuous hypoxia: Role of opioid receptors. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 496-501.	0.9	11
48	Tumour necrosis factorâ€Î± contributes to improved cardiac ischaemic tolerance in rats adapted to chronic continuous hypoxia. Acta Physiologica, 2015, 214, 97-108.	1.8	19
49	Orally active epoxyeicosatrienoic acid analog does not exhibit antihypertensive and reno- or cardioprotective actions in two-kidney, one-clip Goldblatt hypertensive rats. Vascular Pharmacology, 2015, 73, 45-56.	1.0	14
50	Involvement of PKCÎµ in Cardioprotection Induced by Adaptation to Chronic Continuous Hypoxia. Physiological Research, 2015, 64, 191-201.	0.4	15
51	Role of NO/cGMP Signaling Pathway in Cardiac Ischemic Tolerance of Chronically Hypoxic Rats. Physiological Research, 2015, 64, 783-787.	0.4	5
52	Developmental determinants of cardiac sensitivity to hypoxia. Canadian Journal of Physiology and Pharmacology, 2014, 92, 566-574.	0.7	11
53	P161Two cardioprotective regimens of chronic intermittent hypoxia differ in activation of antioxidant systems. Cardiovascular Research, 2014, 103, S28.4-S28.	1.8	1
54	Effects of mtDNA in SHR-mt^{F344} versus SHR conplastic strains on reduced OXPHOS enzyme levels, insulin resistance, cardiac hypertrophy, and systolic dysfunction. Physiological Genomics, 2014, 46, 671-678.	1.0	18

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55	Chronic Hypoxia Enhances Expression and Activity of Mitochondrial Creatine Kinase and Hexokinase in the Rat Ventricular Myocardium. Cellular Physiology and Biochemistry, 2014, 33, 310-320.	1.1	27
56	Partial deficiency of HIF-1Î± stimulates pathological cardiac changes in streptozotocin-induced diabetic mice. BMC Endocrine Disorders, 2014, 14, 11.	0.9	18
57	Adaptation to chronic hypoxia improves cardiac ischemic tolerance in spontaneously hypertensive rats (1080.3). FASEB Journal, 2014, 28, 1080.3.	0.2	0
58	Transgenic rescue of defective Cd36 enhances myocardial adenylyl cyclase signaling in spontaneously hypertensive rats. Pflugers Archiv European Journal of Physiology, 2013, 465, 1477-1486.	1.3	9
59	Role of endogenous opioid peptides in the infarct size-limiting effect of adaptation to chronic continuous hypoxia. Life Sciences, 2013, 93, 373-379.	2.0	48
60	Right-To-Left Ventricular Differences in the Expression of Mitochondrial Hexokinase and Phosphorylation of Akt. Cellular Physiology and Biochemistry, 2013, 31, 66-79.	1.1	24
61	Pharmacological activation of mitochondrial BK_{Ca} channels protects isolated cardiomyocytes against simulated reperfusion-induced injury. Experimental Biology and Medicine, 2013, 238, 233-241.	1.1	38
62	Mitochondrial BKCa Channel as a Target for Cardioprotection. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 163-175.	0.5	0
63	Sex differences in cardiovascular function. Acta Physiologica, 2013, 207, 584-587.	1.8	25
64	Brief Daily Episode of Normoxia Inhibits Cardioprotection Conferred by Chronic Continuous Hypoxia. Role of Oxidative Stress and BK_{Ca} Channels. Current Pharmaceutical Design, 2013, 19, 6880-6889.	0.9	20
65	Upregulation of Genes Involved in Cardiac Metabolism Enhances Myocardial Resistance to Ischemia/Reperfusion in the Rat Heart. Physiological Research, 2013, 62, S151-S163.	0.4	17
66	Ontogenetic Aspects of Cardiac Adaptation to Chronic Hypoxia. , 2013, , 99-110.		2
67	The role of TNFâ€Î± in cardioprotection induced by adaptation to chronic hypoxia in rats.. FASEB Journal, 2013, 27, 1128.1.	0.2	0
68	CD36 overexpression predisposes to arrhythmias but reduces infarct size in spontaneously hypertensive rats: gene expression profile analysis. Physiological Genomics, 2012, 44, 173-182.	1.0	19
69	Inhibition of soluble epoxide hydrolase by cis-4-[4-(3-adamantan-1-ylureido)cyclohexyl-oxy]benzoic acid exhibits antihypertensive and cardioprotective actions in transgenic rats with angiotensin II-dependent hypertension. Clinical Science, 2012, 122, 513-527.	1.8	63
70	Protective effects of dexrazoxane against acute ischaemia/reperfusion injury of rat hearts. Canadian Journal of Physiology and Pharmacology, 2012, 90, 1303-1310.	0.7	16
71	Global Changes in the Rat Heart Proteome Induced by Prolonged Morphine Treatment and Withdrawal. PLoS ONE, 2012, 7, e47167.	1.1	21
72	Antiarrhythmic effect of prolonged morphine exposure is accompanied by altered myocardial adenylyl cyclase signaling in rats. Pharmacological Reports, 2012, 64, 351-359.	1.5	14

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73	Hypoxic Preconditioning â€“ a Phenomenon Increasing the Tolerance of Cardiomyocytes to Hypoxia/Reoxygenation. Neuroscience and Behavioral Physiology, 2012, 42, 380-391.	0.2	4
74	ENDOGENOUS OPIOID SYSTEM AS A MEDIATOR OF ACUTE AND LONG-TERM ADAPTATION TO STRESS. PROSPECTS FOR CLINICAL USE OF OPIOID PEPTIDES. Vestnik Rossiiskoi Akademii Meditsinskikh Nauk, 2012, 67, 73-82.	0.2	12
75	Short-Term Fasting Reduces the Extent of Myocardial Infarction and Incidence of Reperfusion Arrhythmias in Rats. Physiological Research, 2012, 61, 567-574.	0.4	54
76	The Impact of Lifestyle-Related Risk Factors on Cardiac Response to Ischemia and Possibilities to Restore Impaired Ischemic Tolerance. Physiological Research, 2012, 61, S1-S10.	0.4	20
77	Pressure Overload Selectively Increases n-3 PUFA in Myocardial Phospholipids During Early Postnatal Period. Physiological Research, 2012, 61, S155-S163.	0.4	2
78	Preparation of Metallochelating Microbubbles and Study on Their Site-Specific Interaction with rGFP-HisTag as a Model Protein. Langmuir, 2011, 27, 4829-4837.	1.6	9
79	Endonuclease G is a novel determinant of cardiac hypertrophy and mitochondrial function. Nature, 2011, 478, 114-118.	13.7	135
80	Impact of Perinatal Chronic Hypoxia on Cardiac Tolerance to Acute Ischemia. , 2011, , 55-67.		4
81	Prolonged morphine administration alters protein expression in the rat myocardium. Journal of Biomedical Science, 2011, 18, 89.	2.6	5
82	14 Diazoxide-induced antiarrhythmic protection in the non-diabetic and diabetic rat heart does not require activation of PI3-kinase/AKT. Heart, 2011, 97, e4-e5.	1.2	3
83	Interstitial pressure and lung oedema in chronic hypoxia. European Respiratory Journal, 2011, 37, 943-949.	3.1	22
84	Mitochondrial BK_{Ca}channels contribute to protection of cardiomyocytes isolated from chronically hypoxic rats. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H507-H513.	1.5	35
85	N-acetylcysteine Treatment Prevents the Up-Regulation of MnSOD in Chronically Hypoxic Rat Hearts. Physiological Research, 2011, 60, 467-474.	0.4	20
86	Suppression of Ischemic and Reperfusion Ventricular Arrhythmias by Inhalational Anesthetic-Induced Preconditioning in the Rat Heart. Physiological Research, 2011, 60, 709-714.	0.4	5
87	Up-regulation and redistribution of protein kinase C-Î´ in chronically hypoxic heart. Molecular and Cellular Biochemistry, 2010, 345, 271-282.	1.4	23
88	Gene expression profiling of sex differences in HIF1-dependent adaptive cardiac responses to chronic hypoxia. Journal of Applied Physiology, 2010, 109, 1195-1202.	1.2	48
89	Transient Upregulation of Protein Kinase C in Pressure-Overloaded Neonatal Rat Myocardium. Physiological Research, 2010, 59, 25-33.	0.4	9
90	Acute Caloric Restriction is Cardioprotective in Adult Rats. FASEB Journal, 2010, 24, lb535.	0.2	0

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91	Chronic Intermittent Hypoxia Induces 11Î²-Hydroxysteroid Dehydrogenase in Rat Heart. Endocrinology, 2009, 150, 4270-4277.	1.4	27
92	Mitochondrial K_{ATP}opening confers protection against lethal myocardial injury and ischaemia-induced arrhythmias in the rat heart via PI3K/Akt-dependent and -independent mechanismsThis article is one of a selection of papers published in a special issue on Advances in Cardiovascular Research.. Canadian Journal of Physiology and Pharmacology, 2009, 87, 1055-1062.	0.7	22
93	Dietary polyunsaturated fatty acids and adaptation to chronic hypoxia alter acyl composition of serum and heart lipids. British Journal of Nutrition, 2009, 102, 1297-1307.	1.2	10
94	Reduced susceptibility to ischemia-induced arrhythmias in the preconditioned rat heart is independent of PI3-kinase/Akt. Physiological Research, 2009, 58, 443-447.	0.4	13
95	Myocardial phospholipid remodeling under different types of load imposed during early postnatal development. Physiological Research, 2009, 58 Suppl 2, S13-S32.	0.4	8
96	Development of myocardial tolerance to oxygen deficiency - experimental aspects. Cor Et Vasa, 2009, 51, 691-697.	0.1	1
97	Role of ATP-sensitive K+-channels in antiarrhythmic and cardioprotective action of adaptation to intermittent hypobaric hypoxia. Bulletin of Experimental Biology and Medicine, 2008, 145, 418-421.	0.3	8
98	Effect of stress adaptation on cyclic nucleotide content in myocardial tissue during acute ischemia/reperfusion. Bulletin of Experimental Biology and Medicine, 2008, 145, 588-591.	0.3	2
99	Myocardial resistance to ischemic and reperfusion injuries under conditions of chronic administration of opioid receptor agonists and antagonists. Bulletin of Experimental Biology and Medicine, 2008, 145, 696-699.	0.3	2
100	Suppression of ischemic arrhythmias in the diabetic heart does not require PI3K/AKT and ROS: Relevance to ischemic preconditioning. Journal of Molecular and Cellular Cardiology, 2008, 44, 761-762.	0.9	2
101	Protein kinase C isoforms in chronically hypoxic rat heart. Journal of Molecular and Cellular Cardiology, 2008, 44, 781.	0.9	0
102	ACUTE IMMUNE RESPONSE TO MYOCARDIAL ISCHEMIA-REPERFUSION INJURY IN SPONTANEOUSLY HYPERTENSIVE AND WISTAR-KYOTO RATS. Atherosclerosis Supplements, 2008, 9, 49.	1.2	1
103	2-Hydroxyoleic acid affects cardiomyocyte [Ca²⁺]_itransient and contractility in a region-dependent manner. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1948-H1955.	1.5	12
104	Threeâ€day fasting limits reperfusion ventricular arrhythmias. FASEB Journal, 2008, 22, 50-50.	0.2	0
105	Role of oxidative stress in PKC-Î´ upregulation and cardioprotection induced by chronic intermittent hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H224-H230.	1.5	87
106	ANG II type 1 receptor antagonist irbesartan inhibits coronary angiogenesis stimulated by chronic intermittent hypoxia in neonatal rats. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1237-H1244.	1.5	29
107	Cardiac adaptation to chronic high-altitude hypoxia: Beneficial and adverse effects. Respiratory Physiology and Neurobiology, 2007, 158, 224-236.	0.7	107
108	Mitochondrial uncoupling protein 2 gene transcript levels are elevated in maturating erythroid cells. FEBS Letters, 2007, 581, 1093-1097.	1.3	11

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109	Differential role of PI3K/Akt pathway in the infarct size limitation and antiarrhythmic protection in the rat heart. Molecular and Cellular Biochemistry, 2007, 297, 111-120.	1.4	68
110	Tolerance to acute ischemia in adult male and female spontaneously hypertensive rats. Physiological Research, 2007, 56, 267-274.	0.4	22
111	Dietary polyunsaturated fatty acids alter myocardial protein kinase C expression and affect cardioprotection induced by chronic hypoxia. Experimental Biology and Medicine, 2007, 232, 823-32.	1.1	13
112	Expression and subcellular redistribution of PKC isoforms in chronically hypoxic rat heart. Journal of Molecular and Cellular Cardiology, 2006, 40, 930.	0.9	0
113	EFFECT OF PERINATAL HYPOXIA ON CARDIAC TOLERANCE TO ACUTE ISCHAEMIA IN ADULT MALE AND FEMALE RATS. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 714-719.	0.9	28
114	Postnatal development of phospholipids and their fatty acid profile in rat heart. Molecular and Cellular Biochemistry, 2006, 293, 23-33.	1.4	14
115	Changes in the expression and/or activation of regulatory proteins in rat hearts adapted to chronic hypoxia. General Physiology and Biophysics, 2006, 25, 25-41.	0.4	27
116	Protein Kinase C Activity and Isoform Expression During Early Postnatal Development of Rat Myocardium. Cell Biochemistry and Biophysics, 2005, 43, 105-118.	0.9	10
117	Triglycerideâ€lowering Effect of Respiratory Uncoupling in White Adipose Tissue. Obesity, 2005, 13, 835-844.	4.0	18
118	Expression and localization of caveolins during postnatal development in rat heart: implication of thyroid hormone. Journal of Applied Physiology, 2005, 99, 244-251.	1.2	23
119	Increased expression and altered subcellular distribution of PKC-Î´ in chronically hypoxic rat myocardium: involvement in cardioprotection. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1566-H1572.	1.5	38
120	W09-P-019 Respiratory uncoupling in white fat andhigh-fat diet interact to decrease plasma triglycerides in the AP2-UCP1 transgenic mice. Atherosclerosis Supplements, 2005, 6, 44.	1.2	0
121	MCC-134, a blocker of mitochondrial and opener of sarcolemmal ATP-sensitive K+ channels, abrogates cardioprotective effects of chronic hypoxia. Physiological Research, 2005, 54, 467-71.	0.4	17
122	Molecular mechanisms of cardiac protection by adaptation to chronic hypoxia. Physiological Research, 2004, 53 Suppl 1, S3-13.	0.4	26
123	Myocardial infarct size-limiting effect of chronic hypoxia persists for five weeks of normoxic recovery. Physiological Research, 2004, 53, 621-8.	0.4	53
124	Ischemic tolerance of rat hearts in acute and chronic phases of experimental diabetes. Molecular and Cellular Biochemistry, 2003, 249, 167-174.	1.4	53
125	Cardiomegaly induced by pressure overload in newborn rats is accompanied by altered expression of the long isoform of G(s)alpha protein and deranged signaling of adenylyl cyclase. Molecular and Cellular Biochemistry, 2003, 245, 157-166.	1.4	4
126	The effects of hydrocortisone on rat heart muscarinic and adrenergic Î±1, Î²1 and Î²2 receptors, propranolol-resistant binding sites and on some subsequent steps in intracellular signalling. Naunyn-Schmiedeberg's Archives of Pharmacology, 2003, 368, 366-376.	1.4	27

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127	Effect of increased pressure loading on heart growth in neonatal rats. Journal of Molecular and Cellular Cardiology, 2003, 35, 301-309.	0.9	38
128	300 The role of reactive oxygen species and nitric oxide in ischemia/reperfusion injury of chronically hypoxic rat heart. European Journal of Heart Failure, Supplement, 2003, 2, 53.	0.2	5
129	Altered myocardial Gs protein and adenylyl cyclase signaling in rats exposed to chronic hypoxia and normoxic recovery. Journal of Applied Physiology, 2003, 94, 2423-2432.	1.2	25
130	Role of Mitochondrial KATP Channels in Improved Ischemic Tolerance of Chronically Hypoxic Adult and Immature Hearts. Progress in Experimental Cardiology, 2003, , 69-83.	0.0	1
131	Ischemic tolerance of rat hearts in acute and chronic phases of experimental diabetes. , 2003, , 167-174.		7
132	Sensitivity to Ischemic Injury in the Diabetic Heart: a Dichotomy between Susceptibility to Ventricular Arrhythmias and the Size of Myocardial Infarction. Progress in Experimental Cardiology, 2003, , 409-422.	0.0	1
133	Effect of intermittent high altitude hypoxia on gene expression in rat heart and lung. Physiological Research, 2003, 52, 147-57.	0.4	23
134	Cardioprotective effect of chronic hypoxia is blunted by concomitant hypercapnia. Physiological Research, 2003, 52, 171-5.	0.4	34
135	Effects of mitochondrial KATP modulators on cardioprotection induced by chronic high altitude hypoxia in rats. Cardiovascular Research, 2002, 55, 567-575.	1.8	80
136	Ischemic Preconditioning in Chronically Hypoxic Neonatal Rat Heart. Pediatric Research, 2002, 52, 561-567.	1.1	51
137	Effects of chronic hypoxia and acute ischemia on the expression of PKC isoforms in the rat myocardium. Journal of Molecular and Cellular Cardiology, 2002, 34, A46.	0.9	3
138	Cardioprotective effects of chronic hypoxia and ischaemic preconditioning are not additive. Basic Research in Cardiology, 2002, 97, 161-167.	2.5	99
139	Chronic hypoxia alters fatty acid composition of phospholipids in right and left ventricular myocardium. Molecular and Cellular Biochemistry, 2002, 232, 49-56.	1.4	32
140	Regulation of mitochondrial contact sites in neonatal, juvenile and diabetic hearts. Molecular and Cellular Biochemistry, 2002, 236, 37-44.	1.4	8
141	Ischemic Preconditioning in Chronically Hypoxic Neonatal Rat Heart. Pediatric Research, 2002, 52, 561-567.	1.1	12
142	Developmental Changes in Calcium Channel Localization in Rat Heart: Influence of Thyroid Hormone and Pressure Overload. Progress in Experimental Cardiology, 2002, , 103-112.	0.0	0
143	Developmental Changes of Sarcoplasmic Reticular Calcium Ion Transport and Phospholamban in Rat Heart. Progress in Experimental Cardiology, 2002, , 149-161.	0.0	0
144	Protection of the Developing Heart against Oxygen Deprivation. Progress in Experimental Cardiology, 2002, , 223-237.	0.0	0

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145	Ischemic injury of the developing heart. Experimental and Clinical Cardiology, 2002, 7, 93-8.	1.3	2
146	Response to myocardial ischemia in the diabetic rats in vivo: Are they more or less susceptible to ischemia?. Journal of Molecular and Cellular Cardiology, 2001, 33, A99.	0.9	2
147	Role of mitochondrial KATP channels in increased ischemic tolerance of chronically hypoxic rat hearts. Journal of Molecular and Cellular Cardiology, 2001, 33, A117.	0.9	1
148	Effect of anemia on cardiac function, microvascular structure, and capillary hematocrit in rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1407-H1414.	1.5	57
149	Cardiac function, microvascular structure, and capillary hematocrit in hearts of polycythemic rats. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2425-H2431.	1.5	20
150	Ventricular arrhythmias following coronary artery occlusion in rats: is the diabetic heart less or more sensitive to ischaemia?. Basic Research in Cardiology, 2001, 96, 160-168.	2.5	44
151	Membrane-bound and cytosolic forms of heterotrimeric G proteins in young and adult rat myocardium: Influence of neonatal hypo- and hyperthyroidism. Journal of Cellular Biochemistry, 2001, 82, 215-224.	1.2	16
152	Effects of melatonin on ischemia and reperfusion injury of the rat heart. Cardiovascular Drugs and Therapy, 2001, 15, 251-257.	1.3	57
153	Effect of Pressure Overload on Angiotensin Receptor Expression in the Rat Heart During Early Postnatal Life. Journal of Molecular and Cellular Cardiology, 2000, 32, 1631-1645.	0.9	13
154	Effects of adaptation to intermittent high altitude hypoxia on ischemic ventricular arrhythmias in rats. Physiological Research, 2000, 49, 597-606.	0.4	32
155	The effect of the ultrashort beta-blocker esmolol on cardiac function recovery: an experimental study. European Journal of Cardio-thoracic Surgery, 1999, 15, 199-203.	0.6	12
156	G Proteins,Î²-Adrenoreceptors andÎ²-Adrenergic Responsiveness in Immature and Adult Rat Ventricular Myocardium: Influence of Neonatal Hypo- and Hyperthyroidism. Journal of Molecular and Cellular Cardiology, 1999, 31, 761-772.	0.9	46
157	Adaptation to High Altitude Hypoxia Protects the Rat Heart Against Ischemia-induced Arrhythmias. Involvement of Mitochondrial KATPChannel. Journal of Molecular and Cellular Cardiology, 1999, 31, 1821-1831.	0.9	100
158	Cardiac Ischemia: From Injury to Protection. Basic Science for the Cardiologist, 1999, , .	0.1	19
159	Tolerance to Ischaemia and Ischaemic Preconditioning in Neonatal Rat Heart. Journal of Molecular and Cellular Cardiology, 1998, 30, 857-865.	0.9	64
160	Thyroid status and postnatal changes in subsarcolemmal distribution and isoform expression of rat cardiac dihydropyridine receptors. Cardiovascular Research, 1998, 37, 151-159.	1.8	14
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