

CITATION REPORT

List of articles citing

**Mitochondrial ATP-dependent potassium channels:
novel effectors of cardioprotection?**

DOI: 10.1161/01.cir.97.24.2463
Circulation, 1998, 97, 2463-9.

Source: <https://exaly.com/paper-pdf/29644542/citation-report.pdf>

Version: 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
731	Angina: who needs it? Cardioprotection in the preconditioning era. 1998 , 12, 515-28		4
730	Meeting report: Hatter Institute workshop on myocardial preconditioning. 1998 , 12, 529-31		3
729	Cardiac electrophysiological actions of adenosine. 1998 , 45, 420-426		5
728	Attenuation of myocardial ischemia with repeated exercise in subjects with chronic stable angina: relation to myocardial contractility, intensity of exercise and the adenosine triphosphate-sensitive potassium channel. 1998 , 32, 1665-71		34
727	Emerging therapeutic strategies in myocardial preservation: focus on ATP-sensitive K channels. 1998 , 2, 181-193		1
726	It is time to ask what adenosine can do for cardioprotection. 1998 , 13, 211-28		22
725	Recombinant cardiac ATP-sensitive potassium channels and cardioprotection. <i>Circulation</i> , 1998 , 98, 1479-80		6
724	Myocardial Preconditioning Via ATP-Sensitive Potassium Channels: Interactions with Adenosine. 1998 , 6, 81-100		2
723	Altered ATP sensitivity of ATP-dependent K ⁺ channels in diabetic rat hearts. 1998 , 275, E568-76		12
722	Opening of mitochondrial KATP channel induces early and delayed cardioprotective effect: role of nitric oxide. 1999 , 277, H2425-34		64
721	Pharmacological and Histochemical Distinctions Between Molecularly Defined Sarcolemmal KATPChannels and Native Cardiac Mitochondrial KATPChannels. 1999 , 55, 1000-1005		118
720	Ischemic preconditioning depends on interaction between mitochondrial KATP channels and actin cytoskeleton. 1999 , 276, H1361-8		58
719	Delayed ischemic preconditioning is mediated by opening of ATP-sensitive potassium channels in the rabbit heart. 1999 , 276, H1323-30		32
718	Lipoxygenase metabolism of arachidonic acid in ischemic preconditioning and PKC-induced protection in heart. 1999 , 276, H2094-101		22
717	Delayed preconditioning with adenosine is mediated by opening of ATP-sensitive K(+) channels in rabbit heart. 1999 , 277, H128-35		25
716	Diacylglycerol delays pH(i) overshoot after reperfusion and attenuates contracture in isolated, paced myocytes. 1999 , 277, H1708-17		1
715	S-T segment voltage during sequential coronary occlusions is an unreliable marker of preconditioning. 1999 , 277, H2435-41		13

714	Role of reactive oxygen species in acetylcholine-induced preconditioning in cardiomyocytes. 1999 , 277, H2504-9		47
713	Molecular basis, pharmacology and physiological role of cardiac K(ATP) channels. 1999 , 9, 227-41		33
712	Gene delivery of Kir6.2/SUR2A in conjunction with pinacidil handles intracellular Ca ²⁺ homeostasis under metabolic stress. 1999 , 13, 923-9		59
711	Editorial. 1999 , 20, 1-6		1
710	Isoform-selective activation of protein kinase C by nitric oxide in the heart of conscious rabbits: a signaling mechanism for both nitric oxide-induced and ischemia-induced preconditioning. 1999 , 84, 587-604		235
709	Preconditioning by mitochondrial ATP-sensitive potassium channel openers: An effective approach for improving the preservation of heart transplants. <i>Circulation</i> , 1999 , 100, 11345-50	16.7	23
708	Myocardial Preconditioning: Characteristics, Mechanisms, and Clinical Applications. 1999 , 3, 85-97		4
707	Signaling in late preconditioning : involvement of mitochondrial K(ATP) channels. 1999 , 85, 1113-4		21
706	Role of Na(+)/H(+) exchanger during ischemia and preconditioning in the isolated rat heart. 1999 , 85, 723-30		77
705	Role of protein kinase C in mitochondrial KATP channel-mediated protection against Ca ²⁺ overload injury in rat myocardium. 1999 , 84, 1156-65		154
704	Apoptosis: rekindling the mitochondrial fire. 1999 , 85, 880-3		12
703	Direct preconditioning of cardiac myocytes via opioid receptors and KATP channels. 1999 , 84, 1396-400		141
702	Sarcolemmal versus mitochondrial ATP-sensitive K ⁺ channels and myocardial preconditioning. 1999 , 84, 973-9		428
701	Chloride channel inhibition blocks the protection of ischemic preconditioning and hypo-osmotic stress in rabbit ventricular myocardium. 1999 , 84, 763-75		67
700	Opioid-induced second window of cardioprotection: potential role of mitochondrial KATP channels. 1999 , 84, 846-51		174
699	Pharmacological plasticity of cardiac ATP-sensitive potassium channels toward diazoxide revealed by ADP. 1999 , 96, 12162-7		149
698	Heat stress response and myocardial protection. 1999 , 13, 1-10		10
697	ATP-sensitive K ⁺ channel openers prevent Ca ²⁺ overload in rat cardiac mitochondria. 1999 , 519 Pt 2, 347-60		265

696	Mitochondrial ATP-dependent potassium channels. Viable candidate effectors of ischemic preconditioning. 1999 , 874, 27-37	121
695	Signal transduction in ischemic preconditioning: the role of kinases and mitochondrial K(ATP) channels. 1999 , 10, 741-54	87
694	Mibefradil, a T-type and L-type calcium channel blocker, limits infarct size through a glibenclamide-sensitive mechanism. 1999 , 13, 115-22	20
693	New frontiers of cardioprotection. 1999 , 66, 105-9	13
692	Mitochondria: a new target for K channel openers?. 1999 , 20, 157-61	108
691	Myocardial adaptation to ischaemia--the preconditioning phenomenon. 1999 , 68 Suppl 1, S93-101	29
690	New insights into nitric oxide and coronary circulation. 1999 , 65, 2167-74	22
689	Adaptation to high altitude hypoxia protects the rat heart against ischemia-induced arrhythmias. Involvement of mitochondrial K(ATP) channel. 1999 , 31, 1821-31	92
688	Exogenous calcium preconditions myocardium from patients taking oral sulfonylurea agents. 1999 , 86, 171-6	3
687	Modification of the mitochondrial sulfonylurea receptor by thiol reagents. 1999 , 262, 255-8	19
686	Anesthetic preconditioning: not just for the heart?. 1999 , 91, 606-8	14
685	Sevoflurane reduces myocardial infarct size and decreases the time threshold for ischemic preconditioning in dogs. 1999 , 91, 1437-46	136
684	Activation of mitochondrial ATP-sensitive K(+) channel for cardiac protection against ischemic injury is dependent on protein kinase C activity. 1999 , 85, 731-41	169
683	Preoxygenation: best method for both efficacy and efficiency. 1999 , 91, 603-5	138
682	The legal system and patient safety: charting a divergent course: the relationship between malpractice litigation and human errors. 1999 , 91, 609-11	21
681	Activation of mitochondrial K(ATP) channel elicits late preconditioning against myocardial infarction via protein kinase C signaling pathway. 1999 , 85, 1146-53	142
680	Mitochondrial potassium channel opener diazoxide preserves neuronal-vascular function after cerebral ischemia in newborn pigs. 1999 , 30, 2713-8; discussion 2718-9	91
679	Isoflurane, but not halothane, induces protection of human myocardium via adenosine A1 receptors and adenosine triphosphate-sensitive potassium channels. 2000 , 92, 1692-701	108

678	Prevention of isoflurane-induced preconditioning by 5-hydroxydecanoate and gadolinium: possible involvement of mitochondrial adenosine triphosphate-sensitive potassium and stretch-activated channels. 2000 , 93, 756-64	64
677	Opening of mitochondrial potassium channels: a new target for graft preservation strategies?. 2000 , 70, 576-8	8
676	Isoflurane preconditions myocardium against infarction via activation of inhibitory guanine nucleotide binding proteins. 2000 , 92, 1400-7	81
675	Sarcolemmal and mitochondrial adenosine triphosphate- dependent potassium channels: mechanism of desflurane-induced cardioprotection. 2000 , 92, 1731-9	139
674	Ischemic preconditioning, myocardial stunning and anesthesia. 2000 , 13, 35-40	8
673	Therapeutic potential of ischaemic preconditioning. 2000 , 50, 87-97	22
672	Activity of the Na ⁺ /H ⁺ exchanger contributes to cardiac damage following ischaemia and reperfusion. 2000 , 27, 727-33	7
671	Cardioprotective effects of nicorandil in rabbits anaesthetized with halothane: potentiation of ischaemic preconditioning via KATP channels. 2000 , 27, 810-7	10
670	Preservation of mitochondrial function by diazoxide during sustained ischaemia in the rat heart. 2000 , 129, 1219-27	49
669	Pharmacology of human sulphonylurea receptor SUR1 and inward rectifier K(+) channel Kir6.2 combination expressed in HEK-293 cells. 2000 , 129, 1323-32	26
668	JTV-519, a novel cardioprotective agent, improves the contractile recovery after ischaemia-reperfusion in coronary perfused guinea-pig ventricular muscles. 2000 , 130, 767-76	21
667	Pathophysiological and protective roles of mitochondrial ion channels. 2000 , 529 Pt 1, 23-36	120
666	Ischemic preconditioning: from basic mechanisms to clinical applications. 2000 , 86, 263-75	124
665	The antihypertensive and cardioprotective effects of (-)-MJ-451, an ATP-sensitive K(+) channel opener. 2000 , 397, 151-60	4
664	Ischemic preconditioning. 2000 , 9, 99-103	1
663	Mechanisms whereby glucose deprivation triggers metabolic preconditioning in the isolated rat heart. 2000 , 211, 111-21	11
662	Atrial natriuretic peptide reduces the severe consequences of coronary artery occlusion in anaesthetized dogs. 2000 , 14, 471-9	16
661	Infarct size limitation by bradykinin receptor activation is mediated by the mitochondrial but not by the sarcolemmal K(ATP) channel. 2000 , 14, 497-502	13

660	KATP channel openers, myocardial ischemia, and arrhythmias--should the electrophysiologist worry?. 2000 , 14, 17-22	11
659	The K(ATP) channel blocker HMR 1883 does not abolish the benefit of ischemic preconditioning on myocardial infarct mass in anesthetized rabbits. 2000 , 361, 445-51	28
658	[Ischemic preconditioning. Does this animal experiment phenomenon have clinical relevance?]. 2000 , 95, 559-67	3
657	Effect of anoxic preconditioning on ATP-sensitive potassium channels in guinea-pig ventricular myocytes. 2000 , 439, 808-813	5
656	A role of PKC in the improvement of energy metabolism in preconditioned heart. 2000 , 95, 215-27	10
655	5-HD abolishes ischemic preconditioning independently of monophasic action potential duration in the heart. 2000 , 95, 228-34	21
654	Delayed cardioprotection in a human cardiomyocyte-derived cell line: the role of adenosine, p38MAP kinase and mitochondrial KATP. 2000 , 95, 243-9	48
653	Opening mitochondrial K(ATP) in the heart--what happens, and what does not happen. 2000 , 95, 275-9	148
652	Ischemic preconditioning in rats: role of mitochondrial K(ATP) channel in preservation of mitochondrial function. 2000 , 278, H305-12	164
651	Role and mechanism of PKC in ischemic preconditioning of pig skeletal muscle against infarction. 2000 , 279, R666-76	21
650	Differential role of sarcolemmal and mitochondrial K(ATP) channels in adenosine-enhanced ischemic preconditioning. 2000 , 279, H2694-703	51
649	K(ATP) channel activation reduces the severity of postresuscitation myocardial dysfunction. 2000 , 279, H1609-15	37
648	Cardioprotection by K(ATP) channels in wild-type hearts and hearts overexpressing A(1)-adenosine receptors. 2000 , 279, H1690-7	34
647	Flumazenil preconditions cardiomyocytes via oxygen radicals and K(ATP) channels. 2000 , 279, H1858-63	12
646	Tyrosine kinase signaling in action potential shortening and expression of HSP72 in late preconditioning. 2000 , 279, H2269-76	10
645	Preconditioning reduces myocardial complement gene expression in vivo. 2000 , 279, H1157-65	15
644	Molecular basis of protein kinase C-induced activation of ATP-sensitive potassium channels. 2000 , 97, 9058-63	122
643	Protecting the ischaemic and reperfused myocardium in acute myocardial infarction: distant dream or near reality?. 2000 , 83, 381-7	102

642	Ischemic preconditioning activates phosphatidylinositol-3-kinase upstream of protein kinase C. 2000 , 87, 309-15		289
641	Preconditioning the Brain and Heart: Implications for Cardiac Surgery. 2000 , 4, 70-79		
640	Adenosine primes the opening of mitochondrial ATP-sensitive potassium channels: a key step in ischemic preconditioning?. <i>Circulation</i> , 2000 , 102, 800-5	16.7	97
639	Selective pharmacological agents implicate mitochondrial but not sarcolemmal K(ATP) channels in ischemic cardioprotection. <i>Circulation</i> , 2000 , 101, 2418-23	16.7	228
638	Activation of mitochondrial ATP-dependent potassium channels by nitric oxide. <i>Circulation</i> , 2000 , 101, 439-45	16.7	302
637	Opening of mitochondrial K(ATP) channels triggers the preconditioned state by generating free radicals. 2000 , 87, 460-6		571
636	Do modulators of the mitochondrial K(ATP) channel change the function of mitochondria in situ?. 2000 , 275, 37291-5		47
635	Evidence against functional heteromultimerization of the KATP channel subunits Kir6.1 and Kir6.2. 2000 , 275, 17561-5		32
634	Increased mitochondrial K(ATP) channel activity during chronic myocardial hypoxia: is cardioprotection mediated by improved bioenergetics?. 2000 , 87, 915-21		57
633	Ischemic preconditioning in isolated cells. 2000 , 86, 926-31		42
632	ATP-Sensitive potassium channels: a review of their cardioprotective pharmacology. 2000 , 32, 677-95		346
631	Intracellular free calcium and mitochondrial membrane potential in ischemia/reperfusion and preconditioning. 2000 , 32, 1223-38		72
630	Molecular composition of mitochondrial ATP-sensitive potassium channels probed by viral Kir gene transfer. 2000 , 32, 1923-30		79
629	Chronic ethanol-induced myocardial protection requires activation of mitochondrial K(ATP) channels. 2000 , 32, 2091-5		37
628	Mitochondrial K(ATP) channels: probing molecular identity and pharmacology. 2000 , 32, 1911-5		20
627	No confirmation for a causal role of volume-regulated chloride channels in ischemic preconditioning in rabbits. 2000 , 32, 2279-85		23
626	The role of nitric oxide, K(+)(ATP) channels, and cGMP in the preconditioning response of the rabbit. 2000 , 92, 56-63		30
625	Pinacidil pretreatment extends ischemia tolerance of neonatal rabbit hearts. 2000 , 90, 131-7		8

624	Opening of potassium channels protects mitochondrial function from calcium overload. 2000 , 94, 116-23	40
623	Three minute, but not one minute, ischemia and nicorandil have a preconditioning effect in patients with coronary artery disease. 2000 , 35, 345-51	123
622	Pharmacological preconditioning with the adenosine triphosphate-sensitive potassium channel opener pinacidil. 2000 , 70, 595-601	10
621	Ischemic preconditioning: from adenosine receptor to KATP channel. 2000 , 62, 79-109	418
620	Effect of anoxic preconditioning on ATP-sensitive potassium channels in guinea-pig ventricular myocytes. 2000 , 439, 808-13	6
619	K(ATP) channel openers protect rat islets against the toxic effect of streptozotocin. 2000 , 49, 1131-6	37
618	Myocardial K(ATP) channels in preconditioning. 2000 , 87, 845-55	305
617	Selective mitochondrial adenosine triphosphate-sensitive potassium channel activation is sufficient to precondition human myocardium. 2000 , 120, 387-92	16
616	Delta opioid receptor stimulation mimics ischemic preconditioning in human heart muscle. 2000 , 36, 2296-302	108
615	Roles of mitochondrial ATP-sensitive K channels and PKC in anti-infarct tolerance afforded by adenosine A1 receptor activation. 2000 , 35, 238-45	85
614	Nicorandil, a potent cardioprotective agent, acts by opening mitochondrial ATP-dependent potassium channels. 2000 , 35, 514-8	190
613	Potassium channel openers in myocardial ischaemia: therapeutic potential of nicorandil. 2001 , 61, 1705-10	25
612	Acute ethanol exposure fails to elicit preconditioning-like protection in in situ rabbit hearts because of its continued presence during ischemia. 2001 , 37, 601-7	42
611	Failure to precondition pathological human myocardium. 2001 , 37, 711-8	118
610	Mitochondrial ATP-sensitive K ⁺ channels play a role in cardioprotection by Na ⁺ -H ⁺ exchange inhibition against ischemia/reperfusion injury. 2001 , 37, 957-63	53
609	Delivery of genes encoding cardiac K(ATP) channel subunits in conjunction with pinacidil prevents membrane depolarization in cells exposed to chemical hypoxia-reoxygenation. 2001 , 282, 1098-102	17
608	Adenosine A1 receptor activation reduces reactive oxygen species and attenuates stunning in ventricular myocytes. 2001 , 33, 121-9	71
607	The effect of K(atp)channel activation on myocardial cationic and energetic status during ischemia and reperfusion: role in cardioprotection. 2001 , 33, 545-60	24

606	Mitochondrial dysfunction in cardiac disease: ischemia--reperfusion, aging, and heart failure. 2001 , 33, 1065-89	568
605	Dual signaling via protein kinase C and phosphatidylinositol 3'-kinase/Akt contributes to bradykinin B2 receptor-induced cardioprotection in guinea pig hearts. 2001 , 33, 2047-53	35
604	Acute alcohol-induced protection against infarction in rabbit hearts: differences from and similarities to ischemic preconditioning. 2001 , 33, 2015-22	34
603	Nicorandil, a potent cardioprotective agent, reduces QT dispersion during coronary angioplasty. 2001 , 141, 940-3	31
602	Adenosine A1 and A3 receptors: Distinct cardioprotection. 2001 , 52, 366-378	10
601	Effects of potassium channel opener aprikalim on the receptor-mediated vasoconstriction in the human internal mammary artery. 2001 , 71, 636-41	9
600	ATP-sensitive potassium channel openers may mimic the effects of hypoxic preconditioning on the coronary artery. 2001 , 71, 642-7	26
599	Opening of mitochondrial ATP-sensitive potassium channels enhances cardioplegic protection. 2001 , 71, 1281-8; discussion 1288-9	31
598	Potassium channel openers: therapeutic potential in cardiology and medicine. 2001 , 2, 1995-2010	18
597	Mitochondrial ATP-sensitive potassium channels inhibit apoptosis induced by oxidative stress in cardiac cells. 2001 , 88, 1267-75	235
596	Regulation of the mitochondrial permeability transition by matrix Ca(2+) and voltage during anoxia/reoxygenation. 2001 , 280, C517-26	44
595	Leukocyte-type 12-lipoxygenase-deficient mice show impaired ischemic preconditioning-induced cardioprotection. 2001 , 280, H1963-9	27
594	Diabetes and hyperglycemia impair activation of mitochondrial K(ATP) channels. 2001 , 280, H1744-50	96
593	Mitochondrial K(ATP) channel activation reduces anoxic injury by restoring mitochondrial membrane potential. 2001 , 281, H1295-303	76
592	Role of cardiac ATP-sensitive K+ channels induced by HMG CoA reductase inhibitor in ischemic rabbit hearts. 2001 , 24, 573-7	16
591	Glibenclamide improves postischemic recovery of myocardial contractile function in trained and sedentary rats. 2001 , 91, 1545-54	20
590	ATP consumption by uncoupled mitochondria activates sarcolemmal K(ATP) channels in cardiac myocytes. 2001 , 280, H1882-8	68
589	Selective blockade of mitochondrial K(ATP) channels does not impair myocardial oxygen consumption. 2001 , 281, H738-44	15

588	Dual roles of mitochondrial K(ATP) channels in diazoxide-mediated protection in isolated rabbit hearts. 2001 , 280, H246-55	67
587	Role of mitochondrial and sarcolemmal K(ATP) channels in ischemic preconditioning of the canine heart. 2001 , 280, H256-63	57
586	Menadione mimics the infarct-limiting effect of preconditioning in isolated rat hearts. 2001 , 281, H590-5	27
585	Chemical preconditioning with 3-nitropropionic acid in hearts: role of mitochondrial K(ATP) channel. 2001 , 280, H2406-11	51
584	Preconditioning limits mitochondrial Ca(2+) during ischemia in rat hearts: role of K(ATP) channels. 2001 , 280, H2321-8	114
583	Lidocaine and mexiletine inhibit mitochondrial oxidation in rat ventricular myocytes. 2001 , 95, 766-70	16
582	Pharmacological Comparison of Native Mitochondrial KATP Channels with Molecularly Defined Surface KATP Channels. 2001 , 59, 225-230	130
581	Role of cardiac ATP-sensitive K ⁺ channels induced by angiotensin II type 1 receptor antagonist on metabolism, contraction and relaxation in ischemia-reperfused rabbit heart. 2001 , 65, 451-6	8
580	Functional roles of cardiac and vascular ATP-sensitive potassium channels clarified by Kir6.2-knockout mice. 2001 , 88, 570-7	170
579	Anesthetic effects on mitochondrial ATP-sensitive K channel. 2001 , 95, 1435-340	102
578	Role of intracellular Na(+) kinetics in preconditioned rat heart. 2001 , 88, 1176-82	23
577	Effects of administration of nicorandil or bimakalim prior to and during ischemia or reperfusion on survival rate, ischemia/reperfusion-induced arrhythmias and infarct size in anesthetized rabbits. 2001 , 364, 383-96	16
576	Critical timing of mitochondrial K(ATP) channel opening for enhancement of myocardial tolerance against infarction. 2001 , 96, 446-53	19
575	Additive protective effects of late and early ischaemic preconditioning are mediated by the opening of KATP channels in vivo. 2001 , 442, 178-87	15
574	Mitochondrial ATP-sensitive channel opener does not induce vascular preconditioning, but potentiates the effect of a preconditioning ischemia on coronary reactive hyperemia in the anesthetized goat. 2001 , 443, 166-74	4
573	Thiopentone does not block ischemic preconditioning in the isolated rat heart. 2001 , 48, 784-9	32
572	Role of protein kinase C, K(ATP) channels and DNA fragmentation in the infarct size-reducing effects of the free radical scavenger T-0970. 2001 , 28, 193-9	10
571	Differential action of KR-31378, a novel potassium channel activator, on cardioprotective and hemodynamic effects. 2001 , 54, 182-190	18

570	The mitochondrial potassium cycle. 2001 , 52, 153-8	41
569	The neuroprotective properties of gabapentin-lactam. 2001 , 239, 845-9	18
568	Bench to bedside: resuscitation from prolonged ventricular fibrillation. 2001 , 8, 909-24	22
567	Investigation of mechanisms that mediate reactive hyperaemia in guinea-pig hearts: role of K(ATP) channels, adenosine, nitric oxide and prostaglandins. 2001 , 132, 1209-16	12
566	The KATP channel opener diazoxide protects cardiac myocytes during metabolic inhibition without causing mitochondrial depolarization or flavoprotein oxidation. 2001 , 134, 535-42	57
565	Protein kinase C isoform-dependent modulation of ATP-sensitive K ⁺ channels during reoxygenation in guinea-pig ventricular myocytes. 2001 , 532, 165-74	11
564	Increased calcium vulnerability of senescent cardiac mitochondria: protective role for a mitochondrial potassium channel opener. 2001 , 122, 1073-86	84
563	Mitochondria as target for antiischemic drugs. 2001 , 49, 151-74	67
562	Potassium channel openers depolarize hippocampal mitochondria. 2001 , 892, 42-50	76
561	Late preconditioning in rat retina: involvement of adenosine and ATP-sensitive K(+) channel. 2001 , 418, 89-93	22
560	Levosimendan is a mitochondrial K(ATP) channel opener. 2001 , 428, 311-4	103
559	Ischemic preconditioning with opening of mitochondrial adenosine triphosphate-sensitive potassium channels or Na/H exchange inhibition: which is the best protective strategy for heart transplants?. 2001 , 121, 155-62	21
558	Diazoxide protects mitochondria from anoxic injury: implications for myopreservation. 2001 , 121, 298-306	72
557	Fibroblast growth factors in myocardial ischemia / reperfusion injury and ischemic preconditioning. 2001 , 5, 132-42	17
556	Opening of mitochondrial K(ATP) channels triggers cardioprotection. Are reactive oxygen species involved?. 2001 , 88, 750-2	25
555	Activation of ATP-sensitive potassium channels in hypoxic cardiac failure is not mediated by adenosine-1 receptors in the isolated rat heart. 2001 , 6, 189-200	1
554	Mitochondrial ATP-sensitive potassium channels attenuate matrix Ca ²⁺ overload during simulated ischemia and reperfusion: possible mechanism of cardioprotection. 2001 , 89, 891-8	310
553	Treatment with sheng-mai-san reduces myocardial infarct size through activation of protein kinase C and opening of mitochondrial KATP channel. 2001 , 29, 367-75	6

552	Potassium channel modulators as anti-inflammatory agents. 2001 , 11, 1137-1145	4
551	Identification and properties of a novel intracellular (mitochondrial) ATP-sensitive potassium channel in brain. 2001 , 276, 33369-74	212
550	Distinct myoprotective roles of cardiac sarcolemmal and mitochondrial KATP channels during metabolic inhibition and recovery. 2001 , 15, 2586-94	86
549	Genetic manipulation of cardiac K(+) channel function in mice: what have we learned, and where do we go from here?. 2001 , 89, 944-56	195
548	Opening of mitochondrial K(ATP) channels attenuates the ouabain-induced calcium overload in mitochondria. 2001 , 89, 856-8	69
547	Diazoxide-induced cardioprotection requires signaling through a redox-sensitive mechanism. 2001 , 88, 802-9	325
546	Cellular Mechanisms of Cardioprotection. 2001 , 853-866	
545	Characteristics and superoxide-induced activation of reconstituted myocardial mitochondrial ATP-sensitive potassium channels. 2001 , 89, 1177-83	169
544	Ischemic and pharmacological preconditioning in Girardi cells and C2C12 myotubes induce mitochondrial uncoupling. 2001 , 89, 787-92	74
543	Signal transduction of ischemic preconditioning. 2001 , 52, 181-98	225
542	Ischemic preconditioning: implications for the geriatric heart. 2001 , 10, 145-8; quiz 149-51	4
541	Prevention of cell damage in ischaemia: novel molecular targets in mitochondria. 2002 , 6, 315-334	9
540	Differential effects of sarcolemmal and mitochondrial K(ATP) channels activated by 17 beta-estradiol on reperfusion arrhythmias and infarct sizes in canine hearts. 2002 , 301, 234-40	51
539	Modulation of Electrical Properties by Ions, Hormones, and Drugs. 2002 , 595-653	1
538	Suppression of human tumor cell proliferation through mitochondrial targeting. 2002 , 16, 1010-6	66
537	Diazoxide opens the mitochondrial permeability transition pore and alters Ca ²⁺ transients in rat ventricular myocytes. <i>Circulation</i> , 2002 , 105, 2666-71	16.7 68
536	Mitochondria in Pathogenesis. 2002 ,	4
535	The role of mitochondrial and sarcolemmal K(ATP) channels in canine ethanol-induced preconditioning in vivo. 2002 , 94, 841-8, table of contents	19

534	Understanding myocardial ischemic preconditioning, and the implications for a role of adenosine catabolism. 2002 , 107, 37-59	
533	Effect of adenosine triphosphate-sensitive potassium channel openers on lung preservation. 2002 , 165, 1511-5	16
532	Mitochondrial Ca ²⁺ uptake is important over low [Ca ²⁺] _i range in arterial smooth muscle. 2002 , 283, H2431-9	27
531	Selective opening of mitochondrial ATP-sensitive potassium channels during surgically induced myocardial ischemia decreases necrosis and apoptosis. 2002 , 21, 424-33	33
530	Sildenafil (Viagra) induces powerful cardioprotective effect via opening of mitochondrial K(ATP) channels in rabbits. 2002 , 283, H1263-9	218
529	Potassium channel openers protect cardiac mitochondria by attenuating oxidant stress at reoxygenation. 2002 , 282, H531-9	151
528	[Role of protein kinase C isozymes in cellular functions and pathological conditions]. 2002 , 119, 65-78	2
527	H ₂ O ₂ opens mitochondrial K(ATP) channels and inhibits GABA receptors via protein kinase C-epsilon in cardiomyocytes. 2002 , 282, H1395-403	51
526	Isoflurane-induced facilitation of the cardiac sarcolemmal K(ATP) channel. 2002 , 97, 57-65	55
525	Clinically relevant concentrations of propofol have no effect on adenosine triphosphate-sensitive potassium channels in rat ventricular myocytes. 2002 , 96, 1472-7	31
524	Cardioprotection by streptozotocin-induced diabetes and insulin against ischemia/reperfusion injury in rats. 2002 , 40, 491-500	23
523	Anesthetic preconditioning attenuates mitochondrial Ca ²⁺ overload during ischemia in Guinea pig intact hearts: reversal by 5-hydroxydecanoic acid. 2002 , 95, 1540-6, table of contents	84
522	Volatile anesthetics mimic cardiac preconditioning by priming the activation of mitochondrial K(ATP) channels via multiple signaling pathways. 2002 , 97, 4-14	225
521	Differential modulation of the cardiac adenosine triphosphate-sensitive potassium channel by isoflurane and halothane. 2002 , 97, 50-6	42
520	Opening of mitochondrial ATP-sensitive potassium channels evokes oxygen radical generation in rabbit heart slices. 2002 , 131, 721-7	13
519	Cardioprotective effect of mexiletine in acute myocardial ischemia studies in the rabbit closed chest ischemia mode. 2002 , 66, 403-10	7
518	Effect of ischemic preconditioning and mitochondrial KATP channel openers on chronic left ventricular remodeling in the ischemic-reperfused rat heart. 2002 , 66, 411-5	21
517	Sheng-Mai-San is protective against post-ischemic myocardial dysfunction in rats through its opening of the mitochondrial KATP channels. 2002 , 66, 763-8	29

516	MitoK(ATP) opener, diazoxide, reduces neuronal damage after middle cerebral artery occlusion in the rat. 2002 , 283, H1005-11	90
515	Differential effects of anesthetics on mitochondrial K(ATP) channel activity and cardiomyocyte protection. 2002 , 97, 15-23	117
514	Dinitrophenol pretreatment of rat ventricular myocytes protects against damage by metabolic inhibition and reperfusion. 2002 , 34, 555-69	43
513	Metabolic plasticity and the promotion of cardiac protection in ischemia and ischemic preconditioning. 2002 , 34, 1077-89	90
512	NFkappaB activation during ischemia/reperfusion in heart: friend or foe?. 2002 , 34, 1301-4	9
511	Ischemic preconditioning improves mitochondrial tolerance to experimental calcium overload. 2002 , 103, 243-51	23
510	Oral hypoglycemic sulfonylurea glimepiride preserves the myoprotective effects of ischemic preconditioning. 2002 , 105, 181-8	19
509	Antiapoptotic effect of nicorandil mediated by mitochondrial atp-sensitive potassium channels in cultured cardiac myocytes. 2002 , 40, 803-10	93
508	Opening of the adenosine triphosphate-sensitive potassium channel attenuates cardiac remodeling induced by long-term inhibition of nitric oxide synthesis: role of 70-kDa S6 kinase and extracellular signal-regulated kinase. 2002 , 40, 991-7	31
507	Aspirin and mortality from coronary bypass surgery. 2002 , 347, 1309-17	557
506	Hypoxic preconditioning in coronary microarteries: role of EDHF and K ⁺ channel openers. 2002 , 74, 143-8	13
505	Pharmacological preconditioning ameliorates neurological injury in a model of spinal cord ischemia. 2002 , 74, 838-44; discussion 844-5	71
504	Opening of potassium channels modulates mitochondrial function in rat skeletal muscle. 2002 , 1556, 97-105	73
503	Adenosine production and its interaction with protection of ischemic and reperfusion injury of the myocardium. 2002 , 71, 2083-103	42
502	Mitochondrial function during ischemic preconditioning. 2002 , 131, 172-8	34
501	In vivo characterization of the mitochondrial selective K(ATP) opener (3R)-trans-4-((4-chlorophenyl)-N-(1H-imidazol-2-ylmethyl)dimethyl-2H-1-benzopyran-6-carbonitril monohydrochloride (BMS-191095): cardioprotective, hemodynamic, and electrophysiological effects. 2002 , 303, 132-40	27
500	Mitochondria as a pharmacological target. 2002 , 54, 101-27	375
499	Mechanisms by which opening the mitochondrial ATP- sensitive K(+) channel protects the ischemic heart. 2002 , 283, H284-95	165

498	Cardiac preconditioning with 4-h, 17 degrees C ischemia reduces $[Ca^{2+}]_i$ load and damage in part via K(ATP) channel opening. 2002 , 282, H1961-9	18
497	Cardioprotection by multiple preconditioning cycles does not require mitochondrial K(ATP) channels in pigs. 2002 , 283, H1538-44	24
496	ATP-sensitive K(+) channel activation by nitric oxide and protein kinase G in rabbit ventricular myocytes. 2002 , 283, H1545-54	96
495	Selective mitochondrial K(ATP) channel activation results in antiarrhythmic effect during experimental myocardial ischemia/reperfusion in anesthetized rabbits. 2002 , 437, 165-71	12
494	Nicorandil preserves mitochondrial function during ischemia in perfused rat heart. 2002 , 446, 119-27	19
493	K(+) channels as therapeutic drug targets. 2002 , 94, 157-82	127
492	Animal models of lethal arrhythmias. 2002 , 55, 59-72	4
491	Navigating between Scylla and Charybdis: Mitochondria are both predated and novel targets for drug development. 2002 , 57, 75-82	7
490	A1 adenosine receptor overexpression decreases stunning from anoxia-reoxygenation: role of the mitochondrial K(ATP) channel. 2002 , 97, 232-8	9
489	Opening of ATP-sensitive potassium channels causes generation of free radicals in vascular smooth muscle cells. 2002 , 97, 365-73	117
488	Isoflurane and coronary heart disease. 2002 , 57, 338-47	22
487	K(ATP) channel-independent targets of diazoxide and 5-hydroxydecanoate in the heart. 2002 , 542, 735-41	260
486	Cardioprotection by preconditioning: K(ATP) channels, metabolism, or both?. 2002 , 542, 666	4
485	Mouse model of Prinzmetal angina by disruption of the inward rectifier Kir6.1. 2002 , 8, 466-72	278
484	Effect of metabolic inhibition on glimepiride block of native and cloned cardiac sarcolemmal K(ATP) channels. 2002 , 136, 746-52	9
483	The role of mitochondrial K(ATP) channels in antiarrhythmic effects of ischaemic preconditioning in dogs. 2002 , 137, 1107-15	23
482	The protective and anti-protective effects of ethanol in a myocardial infarct model. 2002 , 957, 103-14	15
481	Cardiovascular protection by alcohol and polyphenols: role of nitric oxide. 2002 , 957, 115-21	21

480	Cytoprotective role of Ca ²⁺ -activated K ⁺ channels in the cardiac inner mitochondrial membrane. 2002 , 298, 1029-33	395
479	Diazoxide and pinacidil uncouple pyruvate-malate-induced mitochondrial respiration. 2002 , 34, 49-53	25
478	Diazoxide protects the rabbit heart following cardioplegic ischemia. 2002 , 233, 133-8	6
477	Adenine nucleotide translocase mediates the K(ATP)-channel-openers-induced proton and potassium flux to the mitochondrial matrix. 2003 , 35, 141-8	26
476	Preischemic infusion of alpha-human atrial natriuretic peptide elicits myoprotective effects against ischemia reperfusion in isolated rat hearts. 2003 , 248, 171-7	33
475	Signaling and cellular mechanisms in cardiac protection by ischemic and pharmacological preconditioning. 2003 , 24, 219-49	57
474	Effects of barium and 5-hydroxydecanoate on the electrophysiologic response to acute regional ischemia and reperfusion in rat hearts. 2003 , 254, 185-91	6
473	Selective block of sarcolemmal IKATP in human cardiomyocytes using HMR 1098. 2003 , 17, 435-41	8
472	Uncoupling protein-2 overexpression inhibits mitochondrial death pathway in cardiomyocytes. 2003 , 93, 192-200	267
471	Ischemic and pharmacological preconditioning induces further delayed protection in transgenic mouse cardiac myocytes over-expressing adenosine A1 receptors (A1AR): role of A1AR, iNOS and K(ATP) channels. 2003 , 367, 219-26	17
470	Ischaemic preconditioning and a mitochondrial KATP channel opener both produce cardioprotection accompanied by F1F0-ATPase inhibition in early ischaemia. 2003 , 98, 250-8	25
469	Mitochondrial proteomics. Undercover in the lipid bilayer. 2003 , 98, 219-27	50
468	Mitochondria and their role in preconditioning's trigger phase. 2003 , 98, 228-34	21
467	Modulation of mitochondrial adenosine triphosphate-sensitive potassium channels and sodium-hydrogen exchange provide additive protection from severe ischemia-reperfusion injury. 2003 , 125, 863-71	10
466	Physiological and pathophysiological roles of ATP-sensitive K ⁺ channels. 2003 , 81, 133-76	380
465	Mitochondrial function: the heart of myocardial preservation. 2003 , 142, 141-8	21
464	Cardioprotection with pre- and postischemic adenosine and A3 receptor activation: Differing mechanisms and effects on necrosis versus stunning. 2003 , 58, 447-453	5
463	Diazoxide pretreatment induces delayed preconditioning in astrocytes against oxygen glucose deprivation and hydrogen peroxide-induced toxicity. 2003 , 73, 206-14	48

462	Role of mitochondrial KATP channels and protein kinase C in ischaemic preconditioning. 2003 , 30, 426-36	21
461	Endogenous cardiac opioids: enkephalins in adaptation and protection of the heart. 2003 , 12, 178-87	42
460	Nitric oxide, superoxide, and peroxynitrite in myocardial ischaemia-reperfusion injury and preconditioning. 2003 , 138, 532-43	331
459	Oral nicorandil recaptures the waned protection from preconditioning in vivo. 2003 , 138, 1101-6	12
458	Ischaemic tolerance in aged mouse myocardium: the role of adenosine and effects of A1 adenosine receptor overexpression. 2003 , 549, 823-33	70
457	Frequency and clinical significance of ischemic preconditioning during percutaneous coronary intervention. 2003 , 42, 998-1003	46
456	Mitochondrial K ATP channel activation is important in the antiarrhythmic and cardioprotective effects of non-hypotensive doses of nicorandil and cromakalim during ischemia/reperfusion: a study in an intact anesthetized rabbit model. 2003 , 47, 447-61	25
455	Grape seed proanthocyanidin extract attenuates oxidant injury in cardiomyocytes. 2003 , 47, 463-9	60
454	Preconditioning the myocardium: from cellular physiology to clinical cardiology. 2003 , 83, 1113-51	838
453	Mitochondrial ATP-sensitive potassium channels in surgical cardioprotection. 2003 , 420, 237-45	21
452	Acetylcholine-induced production of reactive oxygen species in adult rabbit ventricular myocytes is dependent on phosphatidylinositol 3- and Src-kinase activation and mitochondrial K(ATP) channel opening. 2003 , 35, 653-60	58
451	Mitochondrial K(ATP) channels in preconditioning. 2003 , 35, 569-75	67
450	P1075 opens mitochondrial K(ATP) channels and generates reactive oxygen species resulting in cardioprotection of rabbit hearts. 2003 , 35, 1035-42	40
449	Selective ATP-sensitive potassium channel openers: fact or fiction. 2003 , 35, 1005-7	9
448	Heart mitochondria contain functional ATP-dependent K ⁺ channels. 2003 , 35, 1339-47	80
447	K(ATP) channel opener protects neonatal rabbit heart better than St. Thomas' solution. 2003 , 109, 69-73	6
446	Chemical preconditioning prevents paradoxical increase in glutamate release during ischemia by activating ATP-dependent potassium channels in gerbil hippocampus. 2003 , 183, 180-7	13
445	The mitochondrial K(ATP) channel and cardioprotection. 2003 , 75, S667-73	36

444	Mitochondrial potassium transport: the role of the mitochondrial ATP-sensitive K(+) channel in cardiac function and cardioprotection. 2003 , 1606, 1-21		258
443	Regulation and critical role of potassium homeostasis in apoptosis. 2003 , 70, 363-86		290
442	Adenosine type 1 (A1) receptors mediate protection against myocardial infarction produced by chronic, intermittent ingestion of ethanol in dogs. 2003 , 88, 175-82		5
441	Acute adenosinergic cardioprotection in ischemic-reperfused hearts. 2003 , 285, H1797-818		127
440	Myocardial Ischemia and Preconditioning. <i>Progress in Experimental Cardiology</i> , 2003 ,		
439	Cardioprotective effect of diazoxide is mediated by activation of sarcolemmal but not mitochondrial ATP-sensitive potassium channels in mice. <i>Circulation</i> , 2003 , 107, 682-5	16.7	108
438	Amiodarone inhibits sarcolemmal but not mitochondrial KATP channels in Guinea pig ventricular cells. 2003 , 307, 955-60		26
437	Cariporide (HOE642), a selective Na ⁺ -H ⁺ exchange inhibitor, inhibits the mitochondrial death pathway. <i>Circulation</i> , 2003 , 108, 2275-81	16.7	99
436	MCC-134, a single pharmacophore, opens surface ATP-sensitive potassium channels, blocks mitochondrial ATP-sensitive potassium channels, and suppresses preconditioning. <i>Circulation</i> , 2003 , 107, 1183-8	16.7	29
435	Caspase 3 activation is essential for neuroprotection in preconditioning. 2003 , 100, 715-20		243
434	Cardioprotective effect of diazoxide is mediated by activation of sarcolemmal but not mitochondrial ATP-sensitive potassium channels in mice. <i>Circulation</i> , 2003 , 108, e44; author reply e44	16.7	1
433	Superior myocardial protection with nicorandil cardioplegia. 2003 , 23, 670-7		12
432	Mitochondrial ATP-sensitive potassium channel activation protects cerebellar granule neurons from apoptosis induced by oxidative stress. 2003 , 34, 1796-802		110
431	Potassium channel blockers attenuate hypoxia- and ischemia-induced neuronal death in vitro and in vivo. 2003 , 34, 1281-6		102
430	Diazoxide triggers cardioprotection against apoptosis induced by oxidative stress. 2003 , 284, H2235-41		35
429	Hibernation, Stunning, and Preconditioning: Historical Perspective, Current Concepts, Clinical Applications, and Future Implications. 2003 , 7, 115-140		
428	Intracellular mechanism of mitochondrial adenosine triphosphate-sensitive potassium channel activation with isoflurane. 2003 , 97, 1025-1032		20
427	The cardioprotective effect of sevoflurane depends on protein kinase C activation, opening of mitochondrial K(+) (ATP) channels, and the production of reactive oxygen species. 2003 , 97, 1370-1376		32

426	Does ischemic preconditioning afford clinically relevant cardioprotection?. 2003 , 3, 1-11	6
425	Isoflurane sensitizes the cardiac sarcolemmal adenosine triphosphate-sensitive potassium channel to pinacidil. 2003 , 98, 114-20	18
424	CGX-1051, a peptide from Conus snail venom, attenuates infarction in rabbit hearts when administered at reperfusion. 2003 , 42, 764-71	32
423	Sevoflurane confers additional cardioprotection after ischemic late preconditioning in rabbits. 2003 , 99, 624-31	41
422	Morphine enhances pharmacological preconditioning by isoflurane: role of mitochondrial K(ATP) channels and opioid receptors. 2003 , 98, 705-11	90
421	Mitochondrial adenosine triphosphate-regulated potassium channel opening acts as a trigger for isoflurane-induced preconditioning by generating reactive oxygen species. 2003 , 98, 935-43	123
420	Repeated or prolonged isoflurane exposure reduces mitochondrial oxidizing effects. 2003 , 98, 275-8	3
419	Preconditioning with sevoflurane reduces changes in nicotinamide adenine dinucleotide during ischemia-reperfusion in isolated hearts: reversal by 5-hydroxydecanoic acid. 2003 , 98, 387-95	67
418	Quinaprilat reduces myocardial infarct size involving nitric oxide production and mitochondrial KATP channel in rabbits. 2003 , 41, 938-45	14
417	[Molecular and functional diversity of ATP-sensitive K ⁺ channels: the pathophysiological roles and potential drug targets]. 2003 , 122, 243-50	5
416	Pharmacological characterization of vasorelaxant effects of BMS-180448, a novel cardioselective ATP-sensitive potassium channel opener, in rat aorta. 2003 , 92, 218-27	5
415	Protective effects of hydrogen peroxide against ischemia/reperfusion injury in perfused rat hearts. 2003 , 67, 253-8	37
414	. 2003 ,	
413	Myocardial Preconditioning in the Experimental Model: A New Strategy to Improve Myocardial Protection. 230-263	
412	Effects of Oxygen Free Radicals on KATP Channel Activity in Mouse Cardiac Myocytes. 2003 , 33, 1140	
411	Targeting nucleotide-requiring enzymes: implications for diazoxide-induced cardioprotection. 2003 , 284, H1048-56	82
410	Activation of delta- and kappa-opioid receptors by opioid peptides protects cardiomyocytes via KATP channels. 2003 , 285, H1032-9	47
409	Differential actions of cardioprotective agents on the mitochondrial death pathway. 2003 , 92, 195-202	73

408	Receptor and non-receptor-dependent mechanisms of cardioprotection with adenosine. 2003 , 284, H519-27	37
407	Myocardial oxygenation and high-energy phosphate levels during KATP channel blockade. 2003 , 285, H1420-7	15
406	Isoflurane activates rat mitochondrial ATP-sensitive K ⁺ channels reconstituted in lipid bilayers. 2003 , 284, H1865-71	45
405	Hypoxia-induced preconditioning in adult stimulated cardiomyocytes is mediated by the opening and trafficking of sarcolemmal KATP channels. 2004 , 18, 1046-8	78
404	KATP channel activation induces ischemic preconditioning of the endothelium in humans in vivo. <i>Circulation</i> , 2004 , 110, 2077-82	16.7 56
403	Testosterone induces cytoprotection by activating ATP-sensitive K ⁺ channels in the cardiac mitochondrial inner membrane. <i>Circulation</i> , 2004 , 110, 3100-7	16.7 81
402	Multiprotein complex containing succinate dehydrogenase confers mitochondrial ATP-sensitive K ⁺ channel activity. 2004 , 101, 11880-5	175
401	Effect of lidocaine on ischaemic preconditioning in isolated rat heart. 2004 , 93, 698-704	19
400	Primary and secondary signaling pathways in early preconditioning that converge on the mitochondria to produce cardioprotection. 2004 , 94, 7-16	204
399	Cardioprotective effects of (2S,3R,4S)-N'-benzyl-N"-cyano-N-(3,4-dihydro-2-dimethoxymethyl-3-hydroxy-2-methyl-6-nitro-2H-benzopyran-4-yl)-guanidine (KR-31372) in rats and dogs. 2004 , 70, 74-82	
398	NO donor-activated PKC-delta plays a pivotal role in ischemic myocardial protection through accelerated opening of mitochondrial K-ATP channels. 2004 , 44, 35-41	26
397	Oxidative stress and adaptation of the infant heart to hypoxia and ischemia. 2004 , 6, 423-9	27
396	Lindera strychnifolia is protective against post-ischemic myocardial dysfunction through scavenging hydroxyl radicals and opening the mitochondrial KATP channels in isolated rat hearts. 2004 , 32, 587-98	25
395	Enhanced postischemic functional recovery in CYP2J2 transgenic hearts involves mitochondrial ATP-sensitive K ⁺ channels and p42/p44 MAPK pathway. 2004 , 95, 506-14	231
394	Risk of ventricular proarrhythmia with selective opening of the myocardial sarcolemmal versus mitochondrial ATP-gated potassium channel. 2004 , 309, 554-9	34
393	Role of clinical pathologies in myocardial injury following ischaemia and reperfusion. 2004 , 61, 512-21	33
392	Alternative strategy for stress tolerance: opioids. 2004 , 59, 433-40	13
391	Diazoxide causes early activation of cardiac sarcolemmal KATP channels during metabolic inhibition by an indirect mechanism. 2004 , 61, 570-9	18

390	Preconditioning protects by inhibiting the mitochondrial permeability transition. 2004 , 287, H841-9	182
389	Effect of classic preconditioning and diazoxide on endothelial function and O ₂ - and NO generation in the post-ischemic guinea-pig heart. 2004 , 63, 118-29	27
388	Effects of volatile anesthetics on cardiac ion channels. 2004 , 48, 547-61	52
387	Minoxidil opens mitochondrial K(ATP) channels and confers cardioprotection. 2004 , 141, 360-6	25
386	Pharmacological activation of plasma-membrane KATP channels reduces reoxygenation-induced Ca ²⁺ overload in cardiac myocytes via modulation of the diastolic membrane potential. 2004 , 141, 1059-67	49
385	SUR2A C-terminal fragments reduce KATP currents and ischaemic tolerance of rat cardiac myocytes. 2004 , 557, 785-94	20
384	KR-31378, a novel benzopyran analog, attenuates hypoxia-induced cell death via mitochondrial KATP channel and protein kinase C-epsilon in heart-derived H9c2 cells. 2004 , 506, 27-35	9
383	Analysis of calcium responses mediated by the A ₃ adenosine receptor in cultured newborn rat cardiac myocytes. 2004 , 36, 387-96	32
382	Myocardial protection from either ischaemic preconditioning or nicorandil is not blocked by gliclazide. 2004 , 18, 113-9	34
381	Evidence for mitochondrial K ⁺ channels and their role in cardioprotection. 2004 , 94, 420-32	364
380	Nicorandil attenuates the mitochondrial Ca ²⁺ overload with accompanying depolarization of the mitochondrial membrane in the heart. 2004 , 369, 192-7	30
379	KATP channel openers: structure-activity relationships and therapeutic potential. 2004 , 24, 213-66	141
378	Isoflurane produces only minor preconditioning in coronary artery bypass grafting. 2004 , 38, 287-92	15
377	Protective and anti-protective effects of acute ethanol exposure in myocardial ischemia/reperfusion. 2004 , 10, 113-9	8
376	Mechanisms of myocardial protection produced by chronic ethanol consumption. 2004 , 10, 121-9	10
375	Stroke Genomics. 2004 ,	
374	Potassium channel openers are uncoupling protonophores: implication in cardioprotection. 2004 , 568, 167-70	70
373	Mitochondrial ROS generation following acetylcholine-induced EGF receptor transactivation requires metalloproteinase cleavage of proHB-EGF. 2004 , 36, 435-43	68

372	Early reperfusion levels of Na(+) and Ca(2+) are strongly associated with postischemic functional recovery but are disassociated from K(ATP) channel-induced cardioprotection. 2004 , 37, 483-96	7
371	Intermittent high altitude hypoxia protects the heart against lethal Ca ²⁺ overload injury. 2004 , 76, 559-72	32
370	Mitochondria in health and disease: perspectives on a new mitochondrial biology. 2004 , 25, 365-451	536
369	Nicorandil improves cardiac function and clinical outcome in patients with acute myocardial infarction undergoing primary percutaneous coronary intervention: role of inhibitory effect on reactive oxygen species formation. 2004 , 148, E15	88
368	Sarcolemmal K(ATP) channels in ageing. 2004 , 3, 199-214	15
367	Brief pressure overload of the left ventricle preconditions rabbit myocardium against infarction. 2004 , 78, 628-33	20
366	Diazoxide provides protection to human myocardium in vitro that is concentration dependent. 2004 , 77, 226-32	10
365	Roles of mitochondria in health and disease. 2004 , 53 Suppl 1, S96-102	318
364	Subcellular heterogeneity in mitochondrial red-ox responses to KATP channel agonists in freshly isolated rabbit cardiomyocytes. 2004 , 256-257, 367-77	
363	Protein kinase C inhibitors produce mitochondrial flavoprotein oxidation in cardiac myocytes. 2004 , 99, 1316-1322	6
362	Attenuation of mitochondrial respiration by sevoflurane in isolated cardiac mitochondria is mediated in part by reactive oxygen species. 2004 , 100, 498-505	50
361	Preconditioning: evolution of basic mechanisms to potential therapeutic strategies. 2004 , 21, 195-209	48
360	Minoxidil attenuates ischemia-induced apoptosis in cultured neonatal rat cardiomyocytes. 2004 , 43, 789-94	5
359	Endogenous brain protection: models, gene expression, and mechanisms. 2005 , 104, 105-84	10
358	Protein kinase C-epsilon primes the cardiac sarcolemmal adenosine triphosphate-sensitive potassium channel to modulation by isoflurane. 2004 , 101, 381-9	38
357	Protective role of gap junctions in preconditioning against myocardial infarction. 2004 , 286, H214-21	61
356	Cardiac Sarcolemmal ATP-Sensitive Potassium Channel Antagonists: Novel Ischemia-Selective Antiarrhythmic Agents. 2005 , 909-935	1
355	New insights into the development of ATP-sensitive potassium channel openers. 2005 , 15, 497-504	5

354	Nicorandil [Review of Pharmacological Properties and Clinical Applications. 2005 , 5, 220-229	6
353	MitoKATP-channel opener protects against neuronal death in rat venous ischemia. 2005 , 57, 334-40; discussion 334-40	27
352	Different actions of cardioprotective agents on mitochondrial Ca ²⁺ regulation in a Ca ²⁺ paradox-induced Ca ²⁺ overload. 2005 , 69, 1132-40	13
351	HIF-1 activation attenuates postischemic myocardial injury: role for heme oxygenase-1 in modulating microvascular chemokine generation. 2005 , 289, H542-8	167
350	Acute cardiovascular effects of tacrolimus in the isolated guinea pig heart. 2005 , 28, 313-6	2
349	Lack of manifestations of diazoxide/5-hydroxydecanoate-sensitive KATP channel in rat brain nonsynaptosomal mitochondria. 2005 , 568, 47-59	41
348	Mitochondrial H(+) leak and ROS generation: an odd couple. 2005 , 38, 12-23	323
347	Don't lose heart--therapeutic value of apoptosis prevention in the treatment of cardiovascular disease. 2005 , 9, 609-22	86
346	Mechanisms by which K(ATP) channel openers produce acute and delayed cardioprotection. 2005 , 42, 253-64	23
345	Ischaemic preconditioning in transplantation and major resection of the liver. 2005 , 92, 528-38	93
344	Hibernation induction trigger reduces hypoxic damage of swine skeletal muscle. 2005 , 32, 200-7	20
343	Ventricular arrhythmia in the X-linked cardiomyopathy Barth syndrome. 2005 , 26, 632-7	56
342	Effects of diazoxide treatments on electrophysiologic properties in guinea pig papillary muscles undergoing ischemia/reperfusion. 2005 , 25, 257-9	
341	Cytoprotective channels in mitochondria. 2005 , 37, 171-7	8
340	Effect of sildenafil on reperfusion function, infarct size, and cyclic nucleotide levels in the isolated rat heart model. 2005 , 19, 23-31	40
339	Immunolocalization of KATP channel subunits in mouse and rat cardiac myocytes and the coronary vasculature. 2005 , 5, 1	97
338	Préconditionnement myocardique induit par les agents anesthésiques halogénés : bases fondamentales et implications cliniques. 2005 , 26, S5-S18	
337	Optimization of IPG strip equilibration for the basic membrane protein mABC1. 2005 , 5, 2892-5	24

336	Mechanism of Anesthetic Preconditioning: A Role for Reactive Oxygen Species. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2005 , 25, 206-212	0	
335	Warm ischemic preconditioning improves mitochondrial redox balance during and after mild hypothermic ischemia in guinea pig isolated hearts. 2005 , 288, H2620-7	30	
334	Protection in the aged heart: preventing the heart-break of old age?. 2005 , 66, 233-44	105	
333	Gadomer-enhanced MR imaging in the detection of microvascular obstruction: alleviation with nicorandil therapy. 2005 , 236, 510-8	14	
332	Cardioprotective effects of estradiol include the activation of large-conductance Ca(2+)-activated K(+) channels in cardiac mitochondria. 2005 , 289, H1635-42	86	
331	ATP-sensitive potassium channels. 2005 , 11, 1915-40	90	
330	Postconditioning: A New Paradigm for Myocardial Protection?. 2005 , 1, 195-201	1	
329	Activation of Mitochondrial ATP-Sensitive Potassium Channel Contributes to Protective Effect in Prolonged Myocardial Preservation. 2005 , 2005, 4027-30		
328	Mitochondrial Ca ²⁺ -activated K ⁺ channels in cardiac myocytes: a mechanism of the cardioprotective effect and modulation by protein kinase A. <i>Circulation</i> , 2005 , 111, 198-203	16.7	163
327	Plasma membrane KATP channel-mediated cardioprotection involves posthypoxic reductions in calcium overload and contractile dysfunction: mechanistic insights into cardioplegia. 2005 , 19, 980-2	25	
326	Involvement of FrzA/sFRP-1 and the Wnt/frizzled pathway in ischemic preconditioning. 2005 , 96, 1299-306	70	
325	Cardioprotective role of the mitochondrial ATP-binding cassette protein 1. 2005 , 97, 740-2	40	
324	Impact of a single intravenous administration of nicorandil before reperfusion in patients with ST-segment-elevation myocardial infarction. <i>Circulation</i> , 2005 , 112, 1284-8	16.7	184
323	The effect of an angiotensin-converting enzyme inhibitor and a K ⁺ (ATP) channel opener on warm up angina. 2005 , 26, 598-606	12	
322	Role of adenosine A1 and A3 receptors in regulation of cardiomyocyte homeostasis after mitochondrial respiratory chain injury. 2005 , 288, H2792-801	43	
321	Subunit composition of ATP-sensitive potassium channels in mitochondria of rat hearts. 2005 , 5, 121-33	33	
320	Is the preconditioning threshold different in females?. 2005 , 125, 168-72	12	
319	Preconditioning: gender effects. 2005 , 129, 202-20	20	

318	Is the sarcolemmal or mitochondrial K(ATP) channel activation important in the antiarrhythmic and cardioprotective effects during acute ischemia/reperfusion in the intact anesthetized rabbit model?. 2005 , 77, 1226-48	36
317	KATP channel: relation with cell metabolism and role in the cardiovascular system. 2005 , 37, 751-64	49
316	Function and distribution of the SUR isoforms and splice variants. 2005 , 39, 51-60	82
315	Mitochondrial K(ATP) channels in cell survival and death. 2005 , 39, 7-16	181
314	Mitochondrial ATP-sensitive potassium channels and myocardial hypertrophy. 2005 , 38, 237-9	1
313	Cardiac KATP channels in health and disease. 2005 , 38, 937-43	167
312	K(ATP) channels and preconditioning: a re-examination of the role of mitochondrial K(ATP) channels and an overview of alternative mechanisms. 2005 , 39, 17-50	186
311	K(ATP) channel therapeutics at the bedside. 2005 , 39, 99-112	106
310	Reduced effectiveness of HMR 1098 in blocking cardiac sarcolemmal K(ATP) channels during metabolic stress. 2005 , 39, 637-46	16
309	Generation of metabolic oscillations by mitoKATP and ATP synthase during simulated ischemia in ventricular myocytes. 2005 , 39, 874-81	17
308	Vascular protective effects of cytochrome p450 epoxygenase-derived eicosanoids. 2005 , 433, 413-20	152
307	[Anaesthetic-induced myocardial preconditioning: fundamental basis and clinical implications]. 2005 , 24, 383-96	14
306	Anesthetic preconditioning: the role of free radicals in sevoflurane-induced attenuation of mitochondrial electron transport in Guinea pig isolated hearts. 2005 , 100, 46-53	60
305	Role of hydrogen sulfide in the cardioprotection caused by ischemic preconditioning in the rat heart and cardiac myocytes. 2006 , 316, 670-8	227
304	The mitochondrial K-ATP channel opener, diazoxide, prevents ischemia-reperfusion injury in the rabbit spinal cord. 2006 , 168, 1443-51	37
303	Serofendic acid, a novel substance extracted from fetal calf serum, protects against oxidative stress in neonatal rat cardiac myocytes. 2006 , 47, 1882-90	25
302	Hyperkalemic cardioplegia-induced myocyte swelling and contractile dysfunction: prevention by diazoxide. 2006 , 81, 154-9	24
301	Iptakalim protects PC12 cell against H2O2-induced oxidative injury via opening mitochondrial ATP-sensitive potassium channel. 2006 , 350, 307-14	16

300	Does endogenous testosterone mediate the lower preconditioning threshold in males?. 2006 , 131, 86-90	4
299	Endogenous hydrogen sulfide contributes to the cardioprotection by metabolic inhibition preconditioning in the rat ventricular myocytes. 2006 , 40, 119-30	172
298	The calcium-sensitive large-conductance potassium channel (BK/MAXI K) is present in the inner mitochondrial membrane of rat brain. 2006 , 139, 1249-61	76
297	Death and Survival of Cardiomyocytes in Acute Ischemia. 2006 , 36, 165	2
296	ATP-sensitive potassium channels mediate the anti-ischemic properties of ischemic and pharmacologic preconditioning in rat random-pattern skin flap. 2006 , 57, 94-9	12
295	Isoflurane produces delayed preconditioning against spinal cord ischemic injury via release of free radicals in rabbits. 2006 , 105, 953-60	40
294	P-1075 exerts diverse modulatory effects on mitochondrial ATP-sensitive K ⁺ channels in rabbit ventricular myocytes. 2006 , 47, 165-8	
293	The production of hydrogen sulfide limits myocardial ischemia and reperfusion injury and contributes to the cardioprotective effects of preconditioning with endotoxin, but not ischemia in the rat. 2006 , 26, 154-61	147
292	Myocardial preconditioning and cardioprotection by volatile anaesthetics. 2006 , 7, 86-95	12
291	Silibinin protects against isoproterenol-induced rat cardiac myocyte injury through mitochondrial pathway after up-regulation of SIRT1. 2006 , 102, 387-95	83
290	Pharmacology of the K-ATP Channel Blocking Morpholinoguanidine PNU-37883A. 2006 , 17, 295-328	3
289	HMR 1098: An Inhibitor of Cardiac ATP-Sensitive Potassium Channels. 2006 , 18, 157-174	11
288	Pharmacologic profile of the selective mitochondrial-K(ATP) opener BMS-191095 for treatment of acute myocardial ischemia. 2002 , 20, 121-36	19
287	Diazoxide acts more as a PKC-epsilon activator, and indirectly activates the mitochondrial K(ATP) channel conferring cardioprotection against hypoxic injury. 2006 , 149, 1059-70	35
286	Targeted expression of Kir6.2 in mitochondria confers protection against hypoxic stress. 2006 , 577, 17-29	21
285	Brief antecedent anoxia preserves mitochondrial function after sustained undersupply: a subcellular correlate to ischemic preconditioning?. 2006 , 285, 191-6	1
284	K ⁺ channels in apoptosis. 2006 , 209, 3-20	114
283	Effects of KR-31378, a novel ATP-sensitive potassium channel activator, on hypertrophy of H9c2 cells and on cardiac dysfunction in rats with congestive heart failure. 2006 , 540, 131-8	24

282	The cardioprotective effect of uridine and uridine-5'-monophosphate: the role of the mitochondrial ATP-dependent potassium channel. 2006 , 41, 697-703	37
281	Non-beating HL-1 cells for confocal microscopy: application to mitochondrial functions during cardiac preconditioning. 2006 , 90, 270-98	37
280	Effects of sulfonylureas on mitochondrial ATP-sensitive K ⁺ channels in cardiac myocytes: implications for sulfonylurea controversy. 2006 , 22, 341-7	20
279	Different mechanisms of mitochondrial proton leak in ischaemia/reperfusion injury and preconditioning: implications for pathology and cardioprotection. 2006 , 395, 611-8	104
278	Similarities between ischemic preconditioning and 17beta-estradiol mediated cardiomyocyte KATP channel activation leading to cardioprotective and antiarrhythmic effects during ischemia/reperfusion in the intact rabbit heart. 2006 , 47, 277-86	35
277	Effects of pharmacological modulation of the ATP-sensitive potassium channels on the development of warm-up angina pectoris. 2006 , 105, 17-21	4
276	The adenosine 5'-triphosphate-sensitive potassium channel in endocrine cells of the human ovary: role in membrane potential generation and steroidogenesis. 2006 , 91, 1950-5	9
275	Mitochondrial dysfunction as the cause of the failure to precondition the diabetic human myocardium. 2006 , 69, 450-8	92
274	FCCP is cardioprotective at concentrations that cause mitochondrial oxidation without detectable depolarisation. 2006 , 72, 322-30	65
273	Ischemic preconditioning enhances scavenging activity of reactive oxygen species and diminishes transmural difference of infarct size. 2006 , 290, H577-83	27
272	Mitochondrial uncoupling, with low concentration FCCP, induces ROS-dependent cardioprotection independent of KATP channel activation. 2006 , 72, 313-21	165
271	Inhibition of cardiac contractility by 5-hydroxydecanoate and tetraphenylphosphonium ion: a possible role of mitoKATP in response to inotropic stress. 2006 , 291, H152-60	19
270	Nitric oxide-cGMP-protein kinase G signaling pathway induces anoxic preconditioning through activation of ATP-sensitive K ⁺ channels in rat hearts. 2006 , 290, H1808-17	71
269	Role of ATP-Sensitive Potassium Channels in Ischaemic Preconditioning. 2006 , 7, 42-44	
268	Studying ischemic preconditioning in isolated cardiomyocyte models. 2006 , 70, 286-96	52
267	MitoKATP channel activation suppresses gap junction permeability in the ischemic myocardium by an ERK-dependent mechanism. 2006 , 70, 374-83	32
266	Proteomic analysis of pharmacological preconditioning: novel protein targets converge to mitochondrial metabolism pathways. 2006 , 99, 706-14	115
265	Myocardial Ischemia. 2006 ,	2

- 264 Role of soluble epoxide hydrolase in postischemic recovery of heart contractile function. **2006**, 99, 442-50 161
- 263 Dynamic responses of single cardiomyocytes to graded ischemia studied by oxygen clamp in on-chip picochambers. **2006**, 99, 165-71 27
- 262 K⁺-independent actions of diazoxide question the role of inner membrane KATP channels in mitochondrial cytoprotective signaling. **2006**, 281, 23733-9 83
- 261 The direct physiological effects of mitoK(ATP) opening on heart mitochondria. **2006**, 290, H406-15 151
- 260 Bepridil, an antiarrhythmic drug, opens mitochondrial KATP channels, blocks sarcolemmal KATP channels, and confers cardioprotection. **2006**, 316, 182-8 27
- 259 Effects of intravenous nicorandil before reperfusion for acute myocardial infarction in patients with stress hyperglycemia. **2006**, 29, 202-6 35
- 258 Methods for measuring the regulation of respiration by nitric oxide. **2007**, 80, 395-416 5
- 257 Sex-specific and exercise-acquired cardioprotection is abolished by sarcolemmal KATP channel blockade in the rat heart. **2007**, 292, H2432-7 42
- 256 Cardioprotective effects of stretch are mediated by activation of sarcolemmal, not mitochondrial, ATP-sensitive potassium channels. **2007**, 293, H1007-12 7
- 255 Percutaneous coronary intervention and the no-reflow phenomenon. **2007**, 5, 715-31 27
- 254 Cellular Pathways and Molecular Events in Cardioprotection. **2007**, 281-315
- 253 Activation of the adenosine A1 receptor inhibits HIV-1 tat-induced apoptosis by reducing nuclear factor-kappaB activation and inducible nitric-oxide synthase. **2007**, 72, 856-67 23
- 252 Mitochondrial Ca²⁺-induced K⁺ influx increases respiration and enhances ROS production while maintaining membrane potential. **2007**, 292, C148-56 103
- 251 Isoflurane preconditioning uncouples mitochondria and protects against hypoxia-reoxygenation. **2007**, 292, C1583-90 68
- 250 Mitochondrial Ca²⁺-activated K⁺ channels more efficiently reduce mitochondrial Ca²⁺ overload in rat ventricular myocytes. **2007**, 293, H307-13 43
- 249 Sildenafil and vardenafil but not nitroglycerin limit myocardial infarction through opening of mitochondrial K(ATP) channels when administered at reperfusion following ischemia in rabbits. **2007**, 42, 453-8 105
- 248 Sarcoplasmic ATP-sensitive potassium channel blocker HMR1098 protects the ischemic heart: implication of calcium, complex I, reactive oxygen species and mitochondrial ATP-sensitive potassium channel. **2007**, 42, 631-42 23
- 247 Resistin, an adipocytokine, offers protection against acute myocardial infarction. **2007**, 43, 601-9 45

246	Identification of two types of ATP-sensitive K ⁺ channels in rat ventricular myocytes. 2007 , 80, 378-87	18
245	Mitochondrial Ion Channels. 2007 , 221-238	
244	Mitochondrial ion channels. 2007 , 69, 19-49	228
243	Mitochondria. 2007 ,	4
242	Interaction of cardiovascular risk factors with myocardial ischemia/reperfusion injury, preconditioning, and postconditioning. 2007 , 59, 418-58	567
241	Cardioprotective mechanisms of PKC isozyme-selective activators and inhibitors in the treatment of ischemia-reperfusion injury. 2007 , 55, 523-36	127
240	Preconditioning: the mitochondrial connection. 2007 , 69, 51-67	191
239	The role of mitochondria in protection of the heart by preconditioning. 2007 , 1767, 1007-31	302
238	Inoprotection: the perioperative role of levosimendan. 2007 , 35, 845-62	9
237	Abolition of reperfusion-induced arrhythmias in hearts from thiamine-deficient rats. 2007 , 293, H394-401	24
236	Barth syndrome associated with compound hemizyosity and heterozygosity of the TAZ and LDB3 genes. 2007 , 143A, 907-15	40
235	The cardioprotective effect of dexmedetomidine on global ischaemia in isolated rat hearts. 2007 , 74, 538-45	112
234	Modulation of ischaemic contracture in mouse hearts: a 'supraphysiological' response to adenosine. 2007 , 92, 175-85	6
233	Killer proteases and little strokes--how the things that do not kill you make you stronger. 2007 , 27, 655-68	29
232	Serofendic acid, a substance extracted from fetal calf serum, as a novel drug for cardioprotection. 2007 , 25, 333-41	6
231	epsilonPKC phosphorylates the mitochondrial K ⁽⁺⁾ (ATP) channel during induction of ischemic preconditioning in the rat hippocampus. 2007 , 1184, 345-53	81
230	Effect of intravenous nicorandil and preexisting angina pectoris on short- and long-term outcomes in patients with a first ST-segment elevation acute myocardial infarction. 2007 , 99, 1203-7	14
229	Pharmacological preconditioning by levosimendan is mediated by inducible nitric oxide synthase and mitochondrial K ⁽⁺⁾ ATP channel activation in the in vivo anesthetized rabbit heart model. 2007 , 47, 248-56	27

228	Role of epoxyeicosatrienoic acids in protecting the myocardium following ischemia/reperfusion injury. 2007 , 82, 50-9	108
227	Protective role of pinacidil against adrenaline-induced myocardium injury in guinea pig liver mitochondria. 2007 , 2, 547-562	
226	Cardioprotective effects of BMS-180448, a prototype mitoK(ATP) channel opener, and the role of salvage kinases, in the rat model of global ischemia and reperfusion heart injury. 2007 , 30, 634-40	10
225	Diazoxide-induced respiratory inhibition - a putative mitochondrial K(ATP) channel independent mechanism of pharmacological preconditioning. 2007 , 294, 11-8	42
224	ARC contributes to the inhibitory effect of preconditioning on cardiomyocyte apoptosis. 2007 , 12, 1589-95	14
223	Ischemic preconditioning targets the reperfusion phase. 2007 , 102, 445-52	70
222	Nicorandil protects cardiac mitochondria against permeability transition induced by ischemia-reperfusion. 2008 , 40, 95-102	20
221	KR-31762, a novel KATP channel opener, exerts cardioprotective effects by opening SarcKATP channels in rat models of ischemia/reperfusion-induced heart injury. 2008 , 31, 482-9	4
220	Mitochondria: A mirror into cellular dysfunction in heart disease. 2008 , 2, 845-61	20
219	Mitochondria as a target for the cardioprotective effects of nitric oxide in ischemia-reperfusion injury. 2008 , 10, 579-99	145
218	Brief femoral artery ischaemia provides protection against myocardial ischaemia-reperfusion injury in rats: the possible mechanisms. 2008 , 93, 954-68	37
217	Potassium channels in the regulation of pulmonary artery smooth muscle cell proliferation and apoptosis: pharmacotherapeutic implications. 2008 , 153 Suppl 1, S99-S111	97
216	Hyperoxia confers myocardial protection in mechanically ventilated rats through the generation of free radicals and opening of mitochondrial ATP-sensitive potassium channels. 2008 , 35, 64-71	13
215	Sevoflurane improves myocardial ischaemic tolerance in a closed-chest porcine model. 2008 , 52, 1400-10	14
214	The endogenous mitochondrial complex II inhibitor malonate regulates mitochondrial ATP-sensitive potassium channels: implications for ischemic preconditioning. 2008 , 1777, 882-9	83
213	The cardiac sarcolemmal ATP-sensitive potassium channel as a novel target for anti-arrhythmic therapy. 2008 , 120, 54-70	63
212	Drug-induced mitochondrial dysfunction in cardiac and skeletal muscle injury. 2008 , 7, 129-46	29
211	Nicorandil suppressed myocardial injury after percutaneous coronary intervention. 2008 , 123, 123-8	19

210	Is Kir6.1 a subunit of mitoK(ATP)?. 2008 , 366, 649-56		55
209	Myocardial metabolism altered by ischemic preconditioning and enflurane in off-pump coronary artery surgery. 2008 , 22, 369-76		12
208	Chapter 10 The Interaction of Mitochondrial Membranes with Reactive Oxygen and Nitrogen Species. 2008 , 211-242		1
207	KATP channel openers have opposite effects on mitochondrial respiration under different energetic conditions. 2008 , 51, 483-91		40
206	Differential increase of mitochondrial matrix volume by sevoflurane in isolated cardiac mitochondria. 2008 , 106, 1049-55, table of contents		13
205	Sulfonylurea receptor expression heterogeneity suggests chamber-specific roles for sarcolemmal KATP channels in heart. 2008 , 103, 1345-7		3
204	Sulfonylurea receptor-dependent and -independent pathways mediate vasodilation induced by ATP-sensitive K ⁺ channel openers. 2008 , 74, 736-43		34
203	Effect of diazoxide on flavoprotein oxidation and reactive oxygen species generation during ischemia-reperfusion: a study on Langendorff-perfused rat hearts using optic fibers. 2008 , 294, H2088-97		33
202	Cardiac-specific overexpression of caveolin-3 induces endogenous cardiac protection by mimicking ischemic preconditioning. <i>Circulation</i> , 2008 , 118, 1979-88	16.7	111
201	Differential structure of atrial and ventricular KATP: atrial KATP channels require SUR1. 2008 , 103, 1458-65		96
200	Ethanol for cardiac ischemia: the role of protein kinase c. 2008 , 2, 469-83		9
199	Ischemic preconditioning: from molecular mechanisms to therapeutic opportunities. 2008 , 10, 207-47		81
198	Acidic preconditioning inhibits Na ⁺ /H ⁺ and Na ⁺ /Ca ²⁺ exchanger interaction via PKCepsilon in guinea-pig ventricular myocytes. 2008 , 107, 309-16		9
197	Reduction of myocardial ischemia-reperfusion injury with pre- and postconditioning: molecular mechanisms and therapeutic targets. 2008 , 8, 47-65		23
196	Postconditioning attenuates cardiocyte ultrastructure injury and apoptosis by blocking mitochondrial permeability transition in rats. 2008 , 63, 377-87		23
195	Cardiac Sarcolemmal ATP-sensitive Potassium Channel Antagonists: A Class of Drugs that May Selectively Target the Ischemic Myocardium. 2009 , 381-412		
194	. 2009 ,		2
193	Capsaicin-Sensitive Sensory Nerves in Myocardial Ischemia/Reperfusion Injury and Ischemic Stress Adaptation. 2009 , 8, 267-288		3

192	Molecular identification and functional characterization of a mitochondrial sulfonylurea receptor 2 splice variant generated by intraexonic splicing. 2009 , 105, 1083-93	51
191	Soluble epoxide hydrolase plays an essential role in angiotensin II-induced cardiac hypertrophy. 2009 , 106, 564-9	138
190	Occult cardiotoxicity--toxic effects on cardiac ischemic tolerance. 2009 , 37, 572-93	13
189	Mitochondrial nitroalkene formation and mild uncoupling in ischaemic preconditioning: implications for cardioprotection. 2009 , 82, 333-40	103
188	Functional imaging of a single cell: far-field infrared super-resolution microscopy using autofluorescence detection. 2009 ,	
187	Diazoxide supplemented Celsior solution improves hypothermic heart preservation effect in rat through activation of mitochondrial ATP-sensitive potassium channel. 2009 , 47, 1060-1066	5
186	Hypoxia inducible factor-2alpha stabilization and maxi-K+ channel beta1-subunit gene repression by hypoxia in cardiac myocytes: role in preconditioning. 2009 , 104, 1364-72	40
185	Novel channels of the inner mitochondrial membrane. 2009 , 1787, 351-63	53
184	Large-conductance K+ channel opener CGS7184 as a regulator of endothelial cell function. 2009 , 602, 105-11	14
183	Role of ischemic preconditioning in liver surgery and hepatic transplantation. 2009 , 13, 2074-83	26
182	Cloning of large-conductance Ca(2+)-activated K(+) channel alpha-subunits in mouse cardiomyocytes. 2009 , 389, 74-9	17
181	Cardioprotection by metabolic shut-down and gradual wake-up. 2009 , 46, 804-10	123
180	Mitochondrial benzodiazepine receptors mediate cardioprotection of estrogen against ischemic ventricular fibrillation. 2009 , 60, 61-7	14
179	Acarbose reduces myocardial infarct size by preventing postprandial hyperglycemia and hydroxyl radical production and opening mitochondrial KATP channels in rabbits. 2009 , 54, 25-30	15
178	Anti-apoptotic and anti-inflammatory effects of hydrogen sulfide in a rat model of regional myocardial I/R. 2009 , 31, 267-74	199
177	KR-31761, a novel K+(ATP)-channel opener, exerts cardioprotective effects by opening both mitochondrial K+(ATP) and Sarcolemmal K+(ATP) channels in rat models of ischemia/reperfusion-induced heart injury. 2009 , 109, 222-32	12
176	New aspects for the treatment of cardiac diseases based on the diversity of functional controls on cardiac muscles: mitochondrial ion channels and cardioprotection. 2009 , 109, 341-7	22
175	Antidiabetic drug voglibose is protective against ischemia-reperfusion injury through glucagon-like peptide 1 receptors and the phosphoinositide 3-kinase-Akt-endothelial nitric oxide synthase pathway in rabbits. 2010 , 55, 625-34	21

174	Ageing, gender and cardiac sarcolemmal K(ATP) channels. 2006 , 58, 1585-9	5
173	Diazoxide maintenance of myocyte volume and contractility during stress: evidence for a non-sarcolemmal K(ATP) channel location. 2010 , 140, 1153-9	17
172	Discussion. 2010 , 140, 1159	
171	Biochemistry and physiology of mitochondrial ion channels involved in cardioprotection. 2010 , 584, 2161-6	12
170	Interaction of mitochondrial potassium channels with the permeability transition pore. 2010 , 584, 2005-12	31
169	Cardioprotective effect with carbon monoxide releasing molecule-2 (CORM-2) in isolated perfused rat heart: Role of coronary endothelium and underlying mechanism. 2010 , 53, 68-76	29
168	Pharmacological preconditioning by diazoxide downregulates cardiac L-type Ca(2+) channels. 2010 , 161, 1172-85	18
167	Mitochondrial ATP-sensitive K ⁺ channels, protectors of the heart. 2010 , 588, 283-6	11
166	KATP channel blocker does not abolish the protective effect of Na ⁺ /H ⁺ exchange 1 inhibition against ischaemia/reperfusion in aged myocardium. 2010 , 27, 740-6	3
165	Increased potassium conductance of brain mitochondria induces resistance to permeability transition by enhancing matrix volume. 2010 , 285, 741-50	34
164	Essential role of the redox-sensitive kinase p66shc in determining energetic and oxidative status and cell fate in neuronal preconditioning. 2010 , 30, 5242-52	29
163	A novel mitochondrial K(ATP) channel assay. 2010 , 106, 1190-6	45
162	The cardiac mitochondrion: nexus of stress. 2010 , 72, 61-80	124
161	Oxytocin protects rat heart against ischemia-reperfusion injury via pathway involving mitochondrial ATP-dependent potassium channel. 2010 , 31, 1341-5	40
160	Cardiac sarcolemmal K(ATP) channels: Latest twists in a questing tale!. 2010 , 48, 71-5	51
159	Muscle KATP channels: recent insights to energy sensing and myoprotection. 2010 , 90, 799-829	191
158	Aquaporin-7 expression during coronary artery bypass grafting with diazoxide. 2011 , 45, 354-9	5
157	A possible subcellular mechanism underlying the "French paradox": the opening of mitochondrial K(ATP) channels. 2011 , 36, 768-72	2

156	Ca ²⁺ dynamics in the mitochondria - state of the art. 2011 , 51, 627-31	17
155	Diazoxide decreases ischemia-reperfusion injury in a rat model of lung transplantation. 2011 , 43, 2510-6	5
154	Phosphodiesterase inhibition in heart failure. 2011 , 237-49	27
153	Sarcolemmal KATP channel modulators and cardiac arrhythmias. 2011 , 18, 3640-61	15
152	Visual Evidence of Ischemic Preconditioning During PCI Using 80 Lead ECG Body Surface Mapping. 2011 , 4, 57-61	
151	Paradigm shifts in cardioprotection research: the importance of the MPTP as a therapeutic target: AUTHORS' RETROSPECTIVE. 2012 , 96, 160-164	
150	Role of Protein Kinase C in Mitochondrial Functions in Cardiac Ischemia- Reperfusion Injury. <i>Oxidative Stress and Disease</i> , 2012 , 35-54	
149	Effects of anesthetics on mitochondrial signaling and function. 2012 , 7, 126-39	27
148	Insulin-like growth factor-1 preconditioning accentuates intrinsic survival mechanism in stem cells to resist ischemic injury by orchestrating protein kinase c ϵ rk1/2 activation. 2012 , 16, 217-27	28
147	Oxytocin protects cardiomyocytes from apoptosis induced by ischemia-reperfusion in rat heart: role of mitochondrial ATP-dependent potassium channel and permeability transition pore. 2012 , 36, 71-7	43
146	Is preconditioning by oxytocin administration mediated by iNOS and/or mitochondrial K(ATP) channel activation in the in vivo anesthetized rabbit heart?. 2012 , 90, 763-9	24
145	Mitochondrial calcium homeostasis as potential target for mitochondrial medicine. 2012 , 12, 77-85	121
144	Properties and functions of KATP during mouse perinatal development. 2012 , 418, 74-80	4
143	4-[¹⁸ F]-tetraphenylphosphonium as a PET tracer for myocardial mitochondrial membrane potential. 2012 , 5, 285-92	24
142	Management of Myocardial Reperfusion Injury. 2012 ,	88
141	Effect of remifentanil on mitochondrial oxygen consumption of cultured human hepatocytes. 2012 , 7, e45195	16
140	Resveratrol and diabetic cardiac function: focus on recent in vitro and in vivo studies. 2012 , 44, 281-96	62
139	Mitochondrial ROMK channel is a molecular component of mitoK(ATP). 2012 , 111, 446-54	152

138	A pilot study investigating the effects of remote ischemic preconditioning in high-risk cardiac surgery using a randomised controlled double-blind protocol. 2012 , 107, 256	88
137	Protection by remote ischemic preconditioning during coronary artery bypass graft surgery with isoflurane but not propofol - a clinical trial. 2012 , 56, 30-8	259
136	Positive feedback induced memory effect in ischemic preconditioning. 2012 , 300, 317-23	6
135	Determination of the antioxidant properties of activators of mitochondrial ATP-dependent potassium channels with the Amplex Red fluorescent indicator. 2013 , 49, 333-340	
134	Multiplicity of effectors of the cardioprotective agent, diazoxide. 2013 , 140, 167-75	54
133	Characterization of oxygen radical formation mechanism at early cardiac ischemia. 2013 , 4, e787	41
132	Is oxytocin a therapeutic factor for ischemic heart disease?. 2013 , 45, 66-72	20
131	Preconditioning threshold of brief pressure overload of the left ventricle. 2013 , 76, 497-503	3
130	Kir6.2 is not the mitochondrial KATP channel but is required for cardioprotection by ischemic preconditioning. 2013 , 304, H1439-45	33
129	Functional and pharmacological characteristics of permeability transition in isolated human heart mitochondria. 2013 , 8, e67747	11
128	Cardioprotection techniques: preconditioning, postconditioning and remote conditioning (basic science). 2013 , 19, 4544-63	68
127	Functional crosstalk between the mitochondrial PTP and KATP channels determine arrhythmic vulnerability to oxidative stress. 2014 , 5, 264	13
126	A role for calreticulin in functioning of mitochondrial ATP-dependent potassium channel. 2014 , 59, 721-726	
125	Potassium channel in the mitochondria of human keratinocytes. 2014 , 134, 764-772	24
124	Role of ATP-sensitive K ⁺ channels in cardiac arrhythmias. 2014 , 19, 237-43	19
123	Mitochondrial channels: ion fluxes and more. 2014 , 94, 519-608	216
122	Cardiac mitochondria and reactive oxygen species generation. 2014 , 114, 524-37	359
121	Myocardial protection by remote ischaemic pre-conditioning is abolished in sulphonylurea-treated diabetics undergoing coronary revascularisation. 2014 , 58, 453-62	40

120	The role of the ATP-sensitive potassium channel in the activation of the K ⁺ cycle in rat liver mitochondria. 2014 , 8, 178-182	
119	H2S relaxes isolated human airway smooth muscle cells via the sarcolemmal K(ATP) channel. 2014 , 446, 393-8	37
118	Mitochondrial reactive oxygen species: a double edged sword in ischemia/reperfusion vs preconditioning. 2014 , 2, 702-14	451
117	Serofendic acid protects against myocardial ischemia-reperfusion injury in rats. 2014 , 126, 274-80	7
116	Treatment of Myocardial Ischemia/Reperfusion Injury by Ischemic and Pharmacological Postconditioning. 2015 , 5, 1123-45	47
115	Mitochondria-controlled signaling mechanisms of brain protection in hypoxia. 2015 , 9, 320	57
114	Genome-Wide Expression Profiling of Anoxia/Reoxygenation in Rat Cardiomyocytes Uncovers the Role of MitoKATP in Energy Homeostasis. 2015 , 2015, 756576	9
113	Bax inhibitor-1-mediated inhibition of mitochondrial Ca ²⁺ intake regulates mitochondrial permeability transition pore opening and cell death. 2014 , 4, 5194	23
112	Evaluating early and delayed cardioprotection by plasma exosomes in simulated ischaemia/reperfusion injury. 2015 , 8,	1
111	Molecular basis of cardioprotection: signal transduction in ischemic pre-, post-, and remote conditioning. 2015 , 116, 674-99	528
110	Modulation of mitochondrial respiratory function and ROS production by novel benzopyran analogues. 2015 , 93, 811-8	6
109	From Protecting the Heart to Improving Athletic Performance - the Benefits of Local and Remote Ischaemic Preconditioning. 2015 , 29, 573-588	28
108	Preconditioning offers cardioprotection in hyperlipidemic rat hearts: possible role of Dopamine (D2) signaling. 2015 , 15, 77	5
107	Signalling pathways and mechanisms of protection in pre- and postconditioning: historical perspective and lessons for the future. 2015 , 172, 1913-32	76
106	Role of the MPTP in conditioning the heart - translatability and mechanism. 2015 , 172, 2074-84	53
105	RPC for multiorgan salvage in clinical settings: evolution of concept, evidences and mechanisms. 2015 , 746, 317-32	40
104	Mitochondrial instability during regional ischemia-reperfusion underlies arrhythmias in monolayers of cardiomyocytes. 2015 , 78, 90-9	24
103	Mechanism of Mitochondrial Connexin43's Protection of the Neurovascular Unit under Acute Cerebral Ischemia-Reperfusion Injury. 2016 , 17,	12

102	Isosteviol Sensitizes sarcoKATP Channels towards Pinacidil and Potentiates Mitochondrial Uncoupling of Diazoxide in Guinea Pig Ventricular Myocytes. 2016 , 2016, 6362812	8
101	Antiarrhythmic activity of a new spiro-cyclic benzopyran activator of the cardiac mitochondrial ATP dependent potassium channels. 2016 , 39, 1212-22	4
100	Impacts of nicorandil on infarct myocardium in comparison with nitrate: assessed by cardiac magnetic resonance imaging. 2016 , 31, 1430-7	18
99	Nicorandil Inhibits Cyclic Strain-Induced Interleukin-8 Expression in Human Umbilical Vein Endothelial Cells. 2016 , 98, 42-50	6
98	The Effects of Fentanyl on Hepatic Mitochondrial Function. 2016 , 123, 311-25	7
97	Non-cell autonomous cues for enhanced functionality of human embryonic stem cell-derived cardiomyocytes via maturation of sarcolemmal and mitochondrial K channels. 2016 , 6, 34154	4
96	KATP Channels in the Cardiovascular System. 2016 , 96, 177-252	130
95	Inhibition of KV7 Channels Protects the Rat Heart against Myocardial Ischemia and Reperfusion Injury. 2016 , 357, 94-102	9
94	ATP-sensitive K ⁺ channels contribute to the protective effects of exogenous hydrogen sulfide against high glucose-induced injury in H9c2 cardiac cells. 2016 , 37, 763-72	26
93	What do we not know about mitochondrial potassium channels?. 2016 , 1857, 1247-1257	79
92	Functional gains in energy and cell metabolism after TSPO gene insertion. 2017 , 16, 436-447	42
91	The Slo(w) path to identifying the mitochondrial channels responsible for ischemic protection. 2017 , 474, 2067-2094	25
90	The Opening of ATP-Sensitive K ⁺ Channels Protects H9c2 Cardiac Cells Against the High Glucose-Induced Injury and Inflammation by Inhibiting the ROS-TLR4-Necroptosis Pathway. 2017 , 41, 1020-1034	30
89	PTPIP51 regulates mouse cardiac ischemia/reperfusion through mediating the mitochondria-SR junction. 2017 , 7, 45379	25
88	cGMP-Elevating Compounds and Ischemic Conditioning Provide Cardioprotection Against Ischemia and Reperfusion Injury via Cardiomyocyte-Specific BK Channels. <i>Circulation</i> , 2017 , 136, 2337-2355	16.7 92
87	Mitochondria as a target of cardioprotection in models of preconditioning. 2017 , 49, 357-368	12
86	Mitochondriotropic and Cardioprotective Effects of Triphenylphosphonium-Conjugated Derivatives of the Diterpenoid Isosteviol. 2017 , 18,	20
85	An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning. 2018 , 8, e00959	42

84	Mitochondrial potassium channels in cell death. 2018 , 500, 51-58	16
83	Cardiac Potassium Channels: Physiological Insights for Targeted Therapy. 2018 , 23, 119-129	36
82	Melatonin Receptor Agonist Ramelteon Reduces Ischemia-Reperfusion Injury Through Activation of Mitochondrial Potassium Channels. 2018 , 72, 106-111	17
81	Exercise and Cardioprotection: A Natural Defense Against Lethal Myocardial Ischemia-Reperfusion Injury and Potential Guide to Cardiovascular Prophylaxis. 2019 , 24, 18-30	8
80	Uridine as a protector against hypoxia-induced lung injury. 2019 , 9, 9418	6
79	Identification of an ATP-sensitive potassium channel in mitochondria. 2019 , 572, 609-613	94
78	Conditioning of the Myocardium. 2019 , 281-319	
77	Ischemia Reperfusion Injury Produces, and Ischemic Preconditioning Prevents, Rat Cardiac Fibroblast Differentiation: Role of K Channels. 2019 , 6,	7
76	Crosstalk between mitochondria, calcium channels and actin cytoskeleton modulates noradrenergic activity of locus coeruleus neurons. 2019 , 149, 471-487	7
75	Involvement of sex hormonal regulation of K channels in electrophysiological and contractile functions of muscle tissues. 2019 , 139, 259-265	11
74	Mitochondrial depolarization stimulates vascular repair-relevant functions of CD34 cells via reactive oxygen species-induced nitric oxide generation. 2019 , 176, 4373-4387	5
73	Mitochondrial Potassium Channels as Druggable Targets. 2020 , 10,	14
72	Mitochondrial ion channels as targets for cardioprotection. 2020 , 24, 7102-7114	27
71	Flavonoids and Mitochondria: Activation of Cytoprotective Pathways?. 2020 , 25,	33
70	Myocardial ischaemia-reperfusion injury and cardioprotection in perspective. 2020 , 17, 773-789	197
69	Diazoxide Preconditioning of Nonhuman Primate Pancreas Improves Islet Isolation Outcomes by Mitochondrial Protection. 2020 , 49, 706-713	
68	Preconditioning with PDE1 Inhibitors and Moderate-Intensity Training Positively Affect Systemic Redox State of Rats. 2020 , 2020, 6361703	2
67	Pharmacological Preconditioning Using Diazoxide Regulates Store-Operated Ca Channels in Adult Rat Cardiomyocytes. 2019 , 10, 1589	4

66	Global knockout of ROMK potassium channel worsens cardiac ischemia-reperfusion injury but cardiomyocyte-specific knockout does not: Implications for the identity of mitoKATP. 2020 , 139, 176-189	15
65	Cardiac small-conductance calcium-activated potassium channels in health and disease. 2021 , 473, 477-489	3
64	Identification of the Large-Conductance Ca-Regulated Potassium Channel in Mitochondria of Human Bronchial Epithelial Cells. 2021 , 26,	1
63	Effect of intravenous application of nicorandil on area of myocardial infarction in patients with STEMI during the perioperative stage of PCI. 2021 , 77, 411-423	4
62	Mitochondrial K channels and their implications for disease mechanisms. 2021 , 227, 107874	7
61	Gut Microbial Dysbiosis and Cardiovascular Diseases. 2021 ,	
60	Ischemic Preconditioning. 2006 , 99-112	1
59	5.3 Mitochondrial Production of Oxidants and Their Role in the Regulation of Cellular Processes. 2007 , 519-547	1
58	Mitochondria and Their Role in Ischemia/Reperfusion Injury. 2007 , 305-322	1
57	Molecular Pharmacology of ATP-Sensitive K ⁺ Channels: How and Why?. 2001 , 257-277	7
56	P1 Receptors in the Cardiovascular System. 2001 , 3-32	1
55	Ischemic Preconditioning: Description, Mechanism, and Significance. 2001 , 867-885	4
54	Short-chain fatty acid, acylation and cardiovascular diseases. 2020 , 134, 657-676	34
53	Clinical effects of ischemic preconditioning. 1999 , 14, 340-8	15
52	Protection of human myocardium in vitro by K(ATP) activation with low concentrations of bimakalim. 1999 , 34, 162-72	6
51	Effects of intravenous nicorandil on coronary circulation in humans: plasma concentration and action mechanism. 2000 , 35, 919-25	20
50	Cardioprotective effect of diadenosine tetraphosphate (AP4A) preservation in hypothermic storage and its relation with mitochondrial ATP-sensitive potassium channels. 2000 , 69, 16-20	6
49	Matrix volume measurements challenge the existence of diazoxide/glibenclamide-sensitive KATP channels in rat mitochondria. 2003 , 547, 893-902	149

48	Role of sarcolemmal KATP channels in cardioprotection against ischemia/reperfusion injury in mice. 2002 , 109, 509-516		264
47	Role of sarcolemmal K(ATP) channels in cardioprotection against ischemia/reperfusion injury in mice. 2002 , 109, 509-16		142
46	Activation of the adenosine triphosphate sensitive mitochondrial potassium channel is involved in the cardioprotective effect of isoflurane. 2001 , 68, 238-45		7
45	Role of Calcium Channel Blockers in Myocardial Preconditioning. 2017 , 18, 281-287		3
44	Pharmacological preconditioning with bradykinin affords myocardial protection through NO-dependent mechanisms. 2005 , 46, 877-87		14
43	Mitochondria permeability transition as a target for ischemic preconditioning. <i>Fiziologichnyi Zhurnal (Kiev, Ukraine: 1994)</i> , 2011 , 57, 34-45	0.1	3
42	Differential activation of protein kinase C between ischemic and pharmacological preconditioning in the rabbit heart. 2003 , 53, 173-80		6
41	Novel Findings and Therapeutic Targets on Cardioprotection of Ischemia/ Reperfusion Injury in STEMI. 2019 , 25, 3726-3739		4
40	Stimulation of mitochondrial ATP synthase activity - a new diazoxide-mediated mechanism of cardioprotection. 2016 , 65 Suppl 1, S119-27		3
39	Inhibitory Effects of Thyroid Hormones on Mitochondrial Oxidative Stress: A Systematic Review. 2016 , 12, 249-261		2
38	Ischemic postconditioning and pinacidil suppress calcium overload in anoxia-reoxygenation cardiomyocytes via down-regulation of the calcium-sensing receptor. 2016 , 4, e2612		9
37	Mechanisms of Acute Cardioprotection with Ischemic Preconditioning: Protein Kinase C and Beyond. 2000 , 71-79		
36	Role of ATP-Sensitive K ⁺ Channels in Cardiac Preconditioning. 2001 , 785-800		
35	Therapeutic Potential of ATP-Sensitive K ⁺ Channel Openers in Cardiac Ischemia. 2001 , 801-818		
34	K ⁺ Channel Openers. 2001 , 829-836		
33	Preconditioning. 2001 , 57-70		
32	????????C??(265???????????? : 2.????????????????????). <i>Journal of JCS Cardiologists</i> , 2001 , 9, 225-230	0.1	
31	The Mitochondrial Permeability Transition: A BoreWay to Die. <i>Update in Intensive Care and Emergency Medicine</i> , 2002 , 17-39		

- 30 Myocardial Infarction Agents. **2003**, 155-192
- 29 Role of Mitochondrial Membrane Potential in Cardiac Protection against Ischemia. *Progress in Experimental Cardiology*, **2003**, 205-218
- 28 A Role for the Phosphatidylinositol-3-Kinase Pathway in Preconditioning. *Progress in Experimental Cardiology*, **2003**, 275-282
- 27 Effects of Ischemic Preconditioning on Sarcolemmal and Mitochondrial KATP Channel Activity. *The Journal of Japan Society for Clinical Anesthesia*, **2005**, 25, 197-205 ○
- 26 Signaling Pathways in the Heart and Moderate Alcohol Intake. **2005**, 887-900
- 25 The Role of Mitochondrial Ion Channels in Ischemic Preconditioning. *The Journal of Japan Society for Clinical Anesthesia*, **2005**, 25, 213-219 ○
- 24 Protective Effects of Resveratrol against Ischemia-Reperfusion. *Oxidative Stress and Disease*, **2005**, 519-537
- 23 Mechanotransduction in Cardiomyocyte Hypertrophy. **2005**, 176-190
- 22 Mechanism (s) of Myocardial Protection by Nicorandil. *The Journal of Japan Society for Clinical Anesthesia*, **2008**, 28, 900-906 ○
- 21 Infrared Super-Resolution Imaging of a Single A549 Cell by Fluorescence Detection. *Nippon Laser Igakkaishi*, **2009**, 30, 427-434 ○
- 20 Cardiac Sarcolemmal ATP-Sensitive Potassium Channel Antagonists: Novel Ischemia-Selective Antiarrhythmic Agents. 1
- 19 Novel Treatment Strategies. **2012**, 261-291
- 18 Genipin--uncoupling protein inhibitor--reduces the protective effect of ischemic preconditioning. *Fiziolohichnyi Zhurnal (Kiev, Ukraine: 1994)*, **2012**, 57, 38-45 ○.1
- 17 Preconditioning in the Heart. **2013**, 51-101
- 16 Cellular flavoprotein fluorescence imaging for the analysis of mitochondrial function. *International Journal of Human Culture Studies*, **2013**, 2013, 305-309 ○
- 15 ??????(????1998????). *Journal of JCS Cardiologists*, **1999**, 7, 103-108 ○.1
- 14 Adaptation to hypoxia and ischemic preconditioning: pathophysiologic and clinical aspects of cardioprotection in patients with coronary disease. *Cardiosomatics*, **2015**, 6, 27-32 ○.4 1
- 13 Effect of nicorandil on short-term echocardiographic and acute angiographic outcomes in acute coronary syndrome patients undergoing percutaneous coronary intervention. *Heart India*, **2020**, 8, 44 ○.2

- 12 Mitochondrial proteomics alterations in rat hearts following ischemia/reperfusion and diazoxide post-conditioning. *Molecular Medicine Reports*, **2021**, 23, 2.9 3
- 11 The Permeability Transition Pore in Myocardial Ischemia and Reperfusion. **2002**, 177-199
- 10 Myocardial Protection From Concepts to Clinical Practice. **2006**, 167-198
- 9 ATP Synthase K- and H-fluxes Drive ATP Synthesis and Enable Mitochondrial K⁺-"Uniporter" Function: II. Ion and ATP Synthase Flux Regulation.. *Function*, **2022**, 3, zqac001 6.1 8
- 8 Image_1.JPEG. **2020**,
- 7 Image_2.JPEG. **2020**,
- 6 Ischemic Preconditioning Mediated by Activation of Mitochondrial ATP-dependent Potassium Channel in Rat Venous Ischemia. **2005**, 16, 87-93
- 5 Flavonoids as new regulators of mitochondrial potassium channels: contribution to cardioprotection. ○
- 4 Permissive hypercapnia and hypercapnic hypoxia inhibit signaling pathways of neuronal apoptosis in ischemic/hypoxic rats. ○
- 3 Effects of diazoxide on streptozotocin induced cell damage via HSP70/HSP90/TLR4/AMPK signaling pathways. **2023**, 98, 210-219 ○
- 2 Proteomics as a Tool for the Study of Mitochondrial Proteome, Its Dysfunctionality and Pathological Consequences in Cardiovascular Diseases. **2023**, 24, 4692 ○
- 1 Diazoxide is a powerful cardioprotectant but is not feasible in a realistic infarct scenario. 10, ○