Aleksandar Jovanovic

List of Publications by Year
in descending order

120	3,641	159585 30	149698 56
papers	citations	h-index	g-index

122	122	122	2937
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The olfactory bulb - gateway for SARS-Cov-2?. Vojnosanitetski Pregled, 2022, 79, 526-531.	0.2	0
2	SUR2A as a base for cardioprotective therapeutic strategies. Molecular Biology Reports, 2022, , 1.	2.3	1
3	WHICH PRECOCIAL RODENT SPECIES IS MORE SUITABLE AS THE EXPERIMENTAL MODEL OF MICROGRAVITY INFLUENCE ON PRENATAL MUSCULOSKETAL DEVELOPMENT ON INTERNATIONAL SPACE STATION?. Life Sciences in Space Research, 2022, 33, 48-57.	2.3	0
4	Isosteviol Protects H9c2 Cells Against Hypoxia-reoxygenation by Activating ERK1/2. Cardiovascular & Hematological Disorders Drug Targets, 2021, 21, 73-77.	0.7	0
5	Trauma, possible cause of localized unilateral hyperhidrosis of the face?. Srpski Arhiv Za Celokupno Lekarstvo, 2021, 149, 83-86.	0.2	0
6	Increase in cardioprotective SUR2A does not alter heart rate and heart rate regulation by physical activity and diurnal rhythm. Journal of Basic and Clinical Physiology and Pharmacology, 2021, .	1.3	2
7	Cardioprotection by isosteviol derivate JC105: A unique drug property to activate ERK1/2 only when cells are exposed to hypoxiaâ€reoxygenation. Journal of Cellular and Molecular Medicine, 2020, 24, 10924-10934.	3.6	6
8	Improved adaptation to physical stress in mice overexpressing SUR2A is associated with changes in the pattern of Q-T interval. Pflugers Archiv European Journal of Physiology, 2020, 472, 683-691.	2.8	6
9	SUR2A: How to exploit this protein to treat ischaemic heart disease?. Arhiv Za Farmaciju, 2020, 70, 1-9.	0.5	1
10	Pyrazinamide may possess cardioprotective properties. Journal of Antibiotics, 2019, 72, 714-717.	2.0	6
11	Isosteviol prevents the development of isoprenalineâ€induced myocardial hypertrophy. International Journal of Molecular Medicine, 2019, 44, 1932-1942.	4.0	9
12	Pregnancy-induced hypertension is associated with down-regulation of Kir6.1 in human myometrium. Pregnancy Hypertension, 2019, 18, 96-98.	1.4	3
13	Area under the curve analysis of blood pressure reveals increased spontaneous locomotor activity in SPAK knock-in mice: relevance for hypotension induced by SPAK inhibition?. Physiological Reports, 2019, 7, e13997.	1.7	8
14	Trimetazidine prevents diabetic cardiomyopathy by inhibiting Nox2/TRPC3-induced oxidative stress. Journal of Pharmacological Sciences, 2019, 139, 311-318.	2.5	29
15	The synergistic action of antioxidative enzymes - correlations of catalase and superoxide dismutase in the development and during the treatment of type 2 diabetes. Srpski Arhiv Za Celokupno Lekarstvo, 2019, 147, 286-294.	0.2	1
16	Insulin down-regulates cardioprotective SUR2A in the heart-derived H9c2 cells: A possible explanation for some adverse effects of insulin therapy. Biochemistry and Biophysics Reports, 2018, 16, 12-18.	1.3	4
17	Cardioprotective signalling: Past, present and future. European Journal of Pharmacology, 2018, 833, 314-319.	3.5	40
18	Exposure to 15% oxygen in vivo upâ€regulates cardioprotective SUR2A without affecting ERK1/2 and AKT: a crucial role for AMPK. Journal of Cellular and Molecular Medicine, 2017, 21, 1342-1350.	3.6	13

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19	Predictors of Quality of Life Improvement after 2 Years of Coronary Artery Bypass Surgery. Annals of Thoracic and Cardiovascular Surgery, 2017, 23, 233-238.	0.8	16
20	Phenylephrine preconditioning in embryonic heart H9c2 cells is mediated by up-regulation of SUR2B/Kir6.2: A first evidence for functional role of SUR2B in sarcolemmal KATP channels and cardioprotection. International Journal of Biochemistry and Cell Biology, 2016, 70, 23-28.	2.8	16
21	A spontaneous increase in intracellular Ca2+in metaphase II human oocytesin vitrocan be prevented by drugs targeting ATP-sensitive K+channels. Human Reproduction, 2015, 31, dev300.	0.9	6
22	Mild hypoxia in vivo regulates cardioprotective SUR2A: A role for Akt and LDH. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 709-719.	3.8	28
23	A link between ATP and SUR2A: A novel mechanism explaining cardioprotection at high altitude. International Journal of Cardiology, 2015, 189, 73-76.	1.7	16
24	Upregulation of cardioprotective SUR2A by sub-hypoxic drop in oxygen. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2424-2431.	4.1	23
25	Cardioprotective SUR2A promotes stem cell properties of cardiomyocytes. International Journal of Cardiology, 2013, 168, 5090-5092.	1.7	8
26	Realâ€Time RTâ€PCR Ct Values for Blood GAPDH Correlate with Measures of Vascular Endothelial Function in Humans. Clinical and Translational Science, 2013, 6, 481-484.	3.1	2
27	Testosterone protects female embryonic heart H9c2 cells against severe metabolic stress by activating estrogen receptors and up-regulating IES SUR2B. International Journal of Biochemistry and Cell Biology, 2013, 45, 283-291.	2.8	23
28	KATP channels are up-regulated with increasing age in human myometrium. Mechanisms of Ageing and Development, 2013, 134, 98-102.	4.6	17
29	Real-time RT-PCR threshold cycles value for Kir6.1 from the blood correlates with parameters of vascular function: a potential for the vascular function biomarker?. Biomarkers, 2013, 18, 221-229.	1.9	2
30	Mouse hypothalamic GT1-7 cells demonstrate AMPK-dependent intrinsic glucose-sensing behaviour. Diabetologia, 2012, 55, 2432-2444.	6.3	57
31	Nicotinamide-rich diet improves physical endurance by up-regulating SUR2A in the heart. Journal of Cellular and Molecular Medicine, 2011, 15, 1703-1712.	3.6	26
32	Ageing-induced decline in physical endurance in mice is associated with decrease in cardiac SUR2A and increase in cardiac susceptibility to metabolic stress: therapeutic prospects for up-regulation of SUR2A. Biogerontology, 2011, 12, 147-155.	3.9	24
33	Ageing, gender and cardiac sarcolemmal KATP channels. Journal of Pharmacy and Pharmacology, 2010, 58, 1585-1589.	2.4	6
34	Infection with AV-SUR2A protects H9C2 cells against metabolic stress: A mechanism of SUR2A-mediated cytoprotection independent from the KATP channel activity. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 405-415.	4.1	27
35	Role of the WNKâ€activated SPAK kinase in regulating blood pressure. EMBO Molecular Medicine, 2010, 2, 63-75.	6.9	233
36	Human oocytes express ATP-sensitive K+ channels. Human Reproduction, 2010, 25, 2774-2782.	0.9	15

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37	Nicotinamide-rich diet protects the heart against ischaemiaâ€“reperfusion in mice: A crucial role for cardiac SUR2A. Pharmacological Research, 2010, 61, 564-570.	7.1	34
38	On the synthesis of N-maleoyl amino acids in aqueous media: cautionary tales for the unwary traveller. Arkivoc, 2010, 2010, 11-16.	0.5	0
39	A dual mechanism of cytoprotection afforded by M-LDH in embryonic heart H9C2 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1379-1386.	4.1	22
40	Femininity and sarcolemmal K_{ATP} channels: a matter of the heart and the heart of the matter. Journal of Physiology, 2009, 587, 5509-5510.	2.9	2
41	SURA2 targeting for cardioprotection?. Current Opinion in Pharmacology, 2009, 9, 189-193.	3.5	17
42	M-LDH physically associated with sarcolemmal KATP channels mediates cytoprotection in heart embryonic H9C2 cells. International Journal of Biochemistry and Cell Biology, 2009, 41, 2295-2301.	2.8	30
43	A Patient Suffering from Hypokalemic Periodic Paralysis Is Deficient in Skeletal Muscle ATPâ€sensitive K⁺ channels. Clinical and Translational Science, 2008, 1, 71-74.	3.1	18
44	Mg2+ protects adult beating cardiomyocytes against ischaemia. International Journal of Molecular Medicine, 2008, 21, 69-73.	4.0	9
45	M-LDH Serves as a Regulatory Subunit of the Cytosolic Substrate-channelling Complex in Vivo. Journal of Molecular Biology, 2007, 371, 349-361.	4.2	16
46	Models of cardioprotection. Drug Discovery Today: Disease Models, 2007, 4, 185-190.	1.2	6
47	AMP-activated protein kinase mediates preconditioning in cardiomyocytes by regulating activity and trafficking of sarcolemmal ATP-sensitive K+ channels. Journal of Cellular Physiology, 2007, 210, 224-236.	4.1	122
48	High glucose protects single beating adult cardiomyocytes against hypoxia. Biochemical and Biophysical Research Communications, 2006, 341, 57-66.	2.1	15
49	Regulation of cell survival by KATP channels: Sarcolemmal, mitochondrial or both?. Journal of Molecular and Cellular Cardiology, 2006, 40, 964.	1.9	0
50	An unexpected negative inotropic effect of prostaglandin F2Î± in the rat heart. Prostaglandins and Other Lipid Mediators, 2006, 80, 110-119.	1.9	22
51	Deficiency of LKB1 in heart prevents ischemia-mediated activation of AMPKÎ±2 but not AMPKÎ±1. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E780-E788.	3.5	193
52	Overexpression of SUR2A generates a cardiac phenotype resistant to ischemia. FASEB Journal, 2006, 20, 1131-1141.	0.5	85
53	3'phosphoinositideâ€dependent kinaseâ€1 is essential for ischemic preconditioning of the myocardium. FASEB Journal, 2006, 20, 2556-2558.	0.5	43
54	Glyceraldehyde 3â€phosphate dehydrogenase serves as an accessory protein of the cardiac sarcolemmal K ATP channel. EMBO Reports, 2005, 6, 848-852.	4.5	66

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55	High Glucose Regulates the Activity of Cardiac Sarcolemmal ATP-Sensitive K+ Channels via 1,3-Bisphosphoglycerate: A Novel Link Between Cardiac Membrane Excitability and Glucose Metabolism. Diabetes, 2005, 54, 383-393.	0.6	39
56	Hypoxiaâ€induced preconditioning in adult stimulated cardiomyocytes is mediated by the opening and trafficking of sarcolemmal K ATP channels. FASEB Journal, 2004, 18, 1046-1048.	0.5	84
57	Sarcolemmal KATP channels in ageing. Ageing Research Reviews, 2004, 3, 199-214.	10.9	15
58	Deficiency of PDK1 in cardiac muscle results in heart failure and increased sensitivity to hypoxia. EMBO Journal, 2003, 22, 4666-4676.	7.8	166
59	Endothelium-dependent Relaxation of Canine Uterine Artery in Response to Acetylcholine: the Possible Involvement of Alternative Pathways. Transboundary and Emerging Diseases, 2003, 50, 391-396.	0.6	4
60	Chronic Mild Hypoxia Protects Heart-derived H9c2 Cells against Acute Hypoxia/Reoxygenation by Regulating Expression of the SUR2A Subunit of the ATP-sensitive K+ Channel. Journal of Biological Chemistry, 2003, 278, 31444-31455.	3.4	82
61	ATPâ€sensitive potassium channels induced in liver cells after transfection with insulin cDNA and the GLUT2 transporter regulate glucoseâ€stimulated insulin secretion. FASEB Journal, 2003, 17, 1682-1684.	0.5	15
62	Large Conductance Ca2+-Activated K+Channels Sense Acute Changes in Oxygen Tension in Alveolar Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 363-372.	2.9	35
63	Creatine kinase is physically associated with the cardiac ATPâ€sensitive k + channel in vivo. FASEB Journal, 2002, 16, 1-17.	0.5	123
64	17Î²-Estradiol regulates expression of KATPchannels in heart-derived H9c2 cells. Journal of the American College of Cardiology, 2002, 40, 367-374.	2.8	104
65	Acetylcholine-Induced Contractions in the Perforating Branch of the Human Internal Mammary Artery: Protective Role of the Vascular Endothelium. Pharmacology, 2002, 64, 182-188.	2.2	10
66	Ageing is associated with a decrease in the number of sarcolemmal ATP-sensitive K+ channels in a gender-dependent manner. Mechanisms of Ageing and Development, 2002, 123, 695-705.	4.6	49
67	M-LDH serves as a sarcolemmal KATP channel subunit essential for cell protection against ischemia. EMBO Journal, 2002, 21, 3936-3948.	7.8	95
68	Gender-specific difference in cardiac ATP-sensitive K+channels. Journal of the American College of Cardiology, 2001, 38, 906-915.	2.8	105
69	Delivery of Genes Encoding Cardiac KATP Channel Subunits in Conjunction with Pinacidil Prevents Membrane Depolarization in Cells Exposed to Chemical Hypoxia-Reoxygenation. Biochemical and Biophysical Research Communications, 2001, 282, 1098-1102.	2.1	17
70	Muscarinic Receptor Subtypes Mediating Vasorelaxation of the Perforating Branch of the Human Internal Mammary Artery. Pharmacology, 2001, 63, 185-190.	2.2	10
71	Diadenosine tetraphosphate-gating of cardiac K ATP channels requires intact actin cytoskeleton. Naunyn-Schmiedeberg's Archives of Pharmacology, 2001, 364, 276-280.	3.0	17
72	Diadenosine Tetraphosphate-Gating of Recombinant Pancreatic ATP-Sensitive K+ Channels. Bioscience Reports, 2001, 21, 93-99.	2.4	4

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73	Pinacidil prevents membrane depolarisation and intracellular Ca2+ loading in single cardiomyocytes exposed to severe metabolic stress. International Journal of Molecular Medicine, 2001, 7, 639-43.	4.0	28
74	Diadenosine Polyphosphate Signaling in the Heart. , 2001, , 693-702.		2
75	Pregnancy is associated with altered response to neuropeptide Y in uterine artery. Molecular Human Reproduction, 2000, 6, 352-360.	2.8	16
76	Mechanical Unloading Versus Neurohumoral Stimulation on Myocardial Structure and Endocrine Function In Vivo. Circulation, 2000, 102, 338-343.	1.6	38
77	Pregnancy does not alter the response of uterine arteries to vasoactive intestinal polypeptide. Molecular Human Reproduction, 2000, 6, 361-368.	2.8	7
78	Endothelium-dependent relaxation in perforating branch of human internal mammary artery. Vascular, 2000, 8, 393-399.	0.5	4
79	Low concentrations of 17Î²-estradiol protect single cardiac cells against metabolic stress-induced Ca2+ loading. Journal of the American College of Cardiology, 2000, 36, 948-952.	2.8	64
80	Gene delivery of Kir6.2/SUR2A in conjunction with pinacidil handles intracellular Ca 2+ homeostasis under metabolic stress. FASEB Journal, 1999, 13, 923-929.	0.5	62
81	Pregnancy is not associated with altered morphology of the femoral artery. Human Reproduction, 1999, 14, 1885-1889.	0.9	4
82	Inhibition of Both Na/H and Bicarbonate-Dependent Exchange is Required to Prevent Recovery of Intracellular pH in Single Cardiomyocytes Exposed to Metabolic Stress. Bioscience Reports, 1999, 19, 99-107.	2.4	8
83	Acetylcholine-Induced Contractions in the Porcine Internal Mammary Artery: Possible Role of Muscarinic Receptors. Transboundary and Emerging Diseases, 1999, 46, 509-515.	0.6	6
84	Regulation of Nitric Oxide-Responsive Recombinant Soluble Guanylyl Cyclase by Calcium. Biochemistry, 1999, 38, 6441-6448.	2.5	37
85	Adenosine Prevents K-Induced Ca2 Loading: Insight Into Cardioprotection During Cardioplegia. Annals of Thoracic Surgery, 1998, 65, 586-591.	1.3	23
86	Protective action of 17Î²-estradiol in cardiac cells: implications for hyperkalemic cardioplegia. Annals of Thoracic Surgery, 1998, 66, 1658-1661.	1.3	20
87	Diadenosine 5â€²,5â€³-P1,P5-pentaphosphate harbors the properties of a signaling molecule in the heart. FEBS Letters, 1998, 423, 314-318.	2.8	40
88	Emerging therapeutic strategies in myocardial preservation: focus on ATP-sensitive K channels. Expert Opinion on Therapeutic Targets, 1998, 2, 181-193.	1.0	3
89	Characterization of oxytocin actions in guinea-pig isolated uterine artery: The effect of pregnancy. European Journal of Pharmacology, 1998, 343, 35-42.	3.5	7
90	Recombinant Cardiac ATP-Sensitive K + Channel Subunits Confer Resistance To Chemical Hypoxia-Reoxygenation Injury. Circulation, 1998, 98, 1548-1555.	1.6	115

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91	Predominant role for nitric oxide in the relaxation induced by vasoactive intestinal polypeptide in human uterine artery. Molecular Human Reproduction, 1998, 4, 71-76.	2.8	24
92	Pregnancy is associated with hypotrophy of carotid artery endothelial and smooth muscle cells. Human Reproduction, 1998, 13, 1074-1078.	0.9	9
93	Mitochondrial ATP-sensitive K+ channels modulate cardiac mitochondrial function. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1567-H1576.	3.2	207
94	Remodelling of guinea-pig aorta during pregnancy: selective alteration of endothelial cells. Human Reproduction, 1997, 12, 2297-2302.	0.9	11
95	Endothelium-dependent relaxation in response to acetylcholine in pregnant guinea-pig uterine artery. Human Reproduction, 1997, 12, 1805-1809.	0.9	20
96	3.P.208 Vascular endothelium protects human internal mammary artery against acetylcholine-induced contractions: Importance of nitric oxide. Atherosclerosis, 1997, 134, 242.	0.8	0
97	Intracellular diadenosine polyphosphates. Biochemical Pharmacology, 1997, 54, 219-225.	4.4	53
98	Adenosine Prevents Hyperkalemia-Induced Calcium Loading in Cardiac Cells: Relevance for Cardioplegia. Annals of Thoracic Surgery, 1997, 63, 153-161.	1.3	45
99	Effect of oxytocin as a partial agonist at vasoconstrictor vasopressin receptors on the human isolated uterine artery. British Journal of Pharmacology, 1997, 121, 1468-1474.	5.4	14
100	Indomethacin Depresses Prostaglandin F2Î±-Induced Contraction in Guinea-Pig Uterine Artery with Both Intact and Denuded Endoth. Prostaglandins, 1997, 53, 371-379.	1.2	9
101	Diadenosine tetraphosphateâ€induced inhibition of ATPâ€sensitive K⁺ channels in patches excised from ventricular myocytes. British Journal of Pharmacology, 1996, 117, 233-235.	5.4	16
102	Cytosolic Ca2+ domain-dependent protective action of adenosine in cardiomyocytes. European Journal of Pharmacology, 1996, 298, 63-69.	3.5	16
103	Dual effect of glyburide, an antagonist of KATP channels, on metabolic inhibition-induced Ca2+ loading in cardiomyocytes. European Journal of Pharmacology, 1996, 308, 343-349.	3.5	34
104	Adenosine Slows the Rate of K+-induced Membrane Depolarization in Ventricular Cardiomyocytes: Possible Implication in Hyperkalemic Cardioplegia. Journal of Molecular and Cellular Cardiology, 1996, 28, 1193-1202.	1.9	28
105	Diadenosine polyphosphate-induced inhibition of cardiac KATP channels: Operative state-dependent regulation by a nucleoside diphosphate. Pflugers Archiv European Journal of Physiology, 1996, 431, 800-802.	2.8	17
106	Cardiac ATP-sensitive K+ channel: a target for diadenosine 5?,5?-P1,P5-pentaphosphate. Naunyn-Schmiedeberg's Archives of Pharmacology, 1996, 353, 241-4.	3.0	17
107	Reversal of the ATP-liganded State of ATP-sensitive K+ Channels by Adenylate Kinase Activity. Journal of Biological Chemistry, 1996, 271, 31903-31908.	3.4	58
108	Pregnancy: Effect of the vascular endothelium on contractions induced by prostaglandin F 2Âin isolated pregnant guinea pig uterine artery. Human Reproduction, 1996, 11, 2041-2047.	0.9	17

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109	Uterus and endometrium: Indomethacin reduces contraction of isolated non-pregnant human uterine artery induced by prostaglandin F2Â. Human Reproduction, 1996, 11, 1998-2002.	0.9	13
110	Diadenosine polyphosphate-induced inhibition of cardiac K. Pflugers Archiv European Journal of Physiology, 1996, 431, 800.	2.8	2
111	Spontaneous Calcium Waves without Contraction in Cardiac Myocytes. Biochemical and Biophysical Research Communications, 1995, 214, 781-787.	2.1	31
112	Effect of pregnancy on vasopressin-mediated responses in guinea-pig uterine arteries with intact and denuded endothelium. European Journal of Pharmacology, 1995, 280, 101-111.	3.5	9
113	K+ channel blockers do not modify relaxation of guinea-pig uterine artery evoked by acetylcholine. European Journal of Pharmacology, 1995, 280, 95-100.	3.5	14
114	Diadenosine-hexaphosphate is an inhibitory ligand of myocardial ATP-sensitive K+ channels. European Journal of Pharmacology, 1995, 286, R1-R2.	3.5	12
115	Effect of the vascular endothelium on noradrenalineâ€induced contractions in nonâ€pregnant and pregnant guineaâ€pig uterine arteries. British Journal of Pharmacology, 1995, 114, 805-815.	5.4	22
116	Characterization of arginine vasopressin actions in human uterine artery: lack of role of the vascular endothelium. British Journal of Pharmacology, 1995, 115, 1295-1301.	5.4	16
117	Endothelium-dependent relaxation in response to acetylcholine in the human uterine artery. European Journal of Pharmacology, 1994, 256, 131-139.	3.5	24
118	Muscarinic receptor function in the guinea-pig uterine artery is not altered during pregnancy. European Journal of Pharmacology, 1994, 258, 185-194.	3.5	23
119	L-Arginine induces relaxation of human uterine artery with both intact and denuded endothelium. European Journal of Pharmacology, 1994, 256, 103-107.	3.5	23
120	Mg2+ protects adult beating cardiomyocytes against ischaemia. International Journal of Molecular Medicine, 0, , .	4.0	4