Denis V Abramochkin

List of Publications by Year
in descending order

81	697	567281 15	713466 21
papers	citations	h-index	g-index

83	83	83	735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of M3 receptors in regulation of electrical activity deteriorates in the rat heart during ageing. Current Research in Physiology, 2022, 5, 1-7.	1.7	0
2	Adrenergic prolongation of action potential duration in rainbow trout myocardium via inhibition of the delayed rectifier potassium current, IKr. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 267, 111161.	1.8	3
3	The role of activation of two different sGC binding sites by NOâ€dependent and NOâ€independent mechanisms in the regulation of SACs in rat ventricular cardiomyocytes. Physiological Reports, 2022, 10, e15246.	1.7	8
4	Migraineâ€Associated Mutation in the Na,Kâ€ATPase Leads to Disturbances in Cardiac Metabolism and Reduced Cardiac Function. Journal of the American Heart Association, 2022, 11, e021814.	3.7	9
5	Ionic currents underlying different patterns of electrical activity in working cardiac myocytes of mammals and non-mammalian vertebrates. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 268, 111204.	1.8	5
6	Î±1-adrenergic receptors accompanied by GATA4 expression are related to proarrhythmic conduction and automaticity in rat interatrial septum. Journal of Physiology and Biochemistry, 2022, 78, 793-805.	3.0	4
7	Small Gâ€"protein RhoA is a potential inhibitor of cardiac fast sodium current. Journal of Physiology and Biochemistry, 2021, 77, 13-23.	3.0	5
8	Attenuation of inward rectifier potassium current contributes to the Î±1â€adrenergic receptorâ€induced proarrhythmicity in the caval vein myocardium. Acta Physiologica, 2021, 231, e13597.	3.8	10
9	Ionic basis of atrioventricular conduction: ion channel expression and sarcolemmal ion currents of the atrioventricular canal of the rainbow trout (Oncorhynchus mykiss) heart. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2021, 191, 327-346.	1.5	8
10	Effects of Na+ channel isoforms and cellular environment on temperature tolerance of cardiac Na+ current in zebrafish (Danio rerio) and rainbow trout (Oncorhynchus mykiss). Journal of Experimental Biology, 2021, 224, .	1.7	3
11	Inward Rectifier Currents IK1 and IKACh in Working Myocardium of Japanese Quail (Coturnix japonica). Moscow University Biological Sciences Bulletin, 2021, 76, 65-70.	0.7	1
12	Repolarizing potassium currents in working myocardium of Japanese quail: a novel translational model for cardiac electrophysiology. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 255, 110919.	1.8	8
13	Phenanthrene alters the electrical activity of atrial and ventricular myocytes of a polar fish, the Navaga cod. Aquatic Toxicology, 2021, 235, 105823.	4.0	11
14	The snake heart pacemaker is localized near the sinoatrial valve. Journal of Experimental Biology, 2021, 224, .	1.7	2
15	Micro-RNA 133a-3p induces repolarization abnormalities in atrial myocardium and modulates ventricular electrophysiology affecting ICa,L and Ito currents. European Journal of Pharmacology, 2021, 908, 174369.	3.5	5
16	A characterization of the electrophysiological properties of the cardiomyocytes from ventricle, atrium and sinus venosus of the snake heart. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 63-73.	1.5	9
17	Effect of ischemic preconditioning and a Kv7 channel blocker on cardiac ischemia-reperfusion injury in rats. European Journal of Pharmacology, 2020, 866, 172820.	3.5	6
18	Cardiophysiological responses of the air-breathing Alaska blackfish to cold acclimation and chronic hypoxic submergence at 5Â°C. Journal of Experimental Biology, 2020, 223, .	1.7	6

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19	Regulation of NaV1.5 Sodium Channels by Small G-Proteins of the Rho Family in a Heterologous Expression System. Bulletin of Experimental Biology and Medicine, 2020, 169, 729-733.	0.8	1
20	Warmer, faster, stronger: Ca2+ cycling in avian myocardium. Journal of Experimental Biology, 2020, 223, .	1.7	4
21	The Cytoplasmic Domain of Voltage-dependent Potassium Channels of the Eag Family May Play a Role in the Regulation of Ion Transport. Microscopy and Microanalysis, 2020, 26, 1382-1383.	0.4	0
22	Transcript expression of inward rectifier potassium channels of Kir2 subfamily in Arctic marine and freshwater fish species. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2019, 189, 735-749.	1.5	3
23	Thermal acclimation and seasonal acclimatization: a comparative study of cardiac response to prolonged temperature change in shorthorn sculpin. Journal of Experimental Biology, 2019, 222, .	1.7	16
24	Detergent-free solubilization of human Kv channels expressed in mammalian cells. Chemistry and Physics of Lipids, 2019, 219, 50-57.	3.2	25
25	Temperature- and external K+-dependence of electrical excitation in ventricular myocytes of cod-like fishes. Journal of Experimental Biology, 2019, 222, .	1.7	11
26	Extracellular ATP and Î²-NAD alter electrical properties and cholinergic effects in the rat heart in age-specific manner. Purinergic Signalling, 2019, 15, 107-117.	2.2	8
27	L-type Ca2+ channelsâ€™ involvement in IFN-Î³-induced signaling in rat ventricular cardiomyocytes. Journal of Physiology and Biochemistry, 2019, 75, 109-115.	3.0	6
28	Gadolinium as an Inhibitor of Ionic Currents in Isolated Rat Ventricular Cardiomyocytes. Bulletin of Experimental Biology and Medicine, 2019, 168, 187-192.	0.8	3
29	Electrophysiological differences in cholinergic signaling between the hearts of summer and winter frogs (Rana temporaria). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2018, 188, 649-656.	1.5	3
30	Negative inotropic effects of diadenosine tetraphosphate are mediated by protein kinase C and phosphodiesterases stimulation in the rat heart. European Journal of Pharmacology, 2018, 820, 97-105.	3.5	9
31	Transcripts of Kv7.1 and MinK channels and slow delayed rectifier K+ current (IKs) are expressed in zebrafish (Danio rerio) heart. Pflugers Archiv European Journal of Physiology, 2018, 470, 1753-1764.	2.8	26
32	Effects of new antiarrhythmic agent SS-68 on excitation conduction, electrical activity in Purkinje fibers and pulmonary veins: Assessment of safety and side effects risk. Journal of Pharmacological Sciences, 2017, 133, 122-129.	2.5	3
33	Maximum heart rate in brown trout (Salmo trutta fario) is not limited by firing rate of pacemaker cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R165-R171.	1.8	16
34	Diadenosine pentaphosphate affects electrical activity in guinea pig atrium via activation of potassium acetylcholine-dependent inward rectifier. Journal of Physiological Sciences, 2017, 67, 523-529.	2.1	5
35	A New Class III Antiarrhythmic Drug Niferidil Prolongs Action Potentials in Guinea Pig Atrial Myocardium via Inhibition of Rapid Delayed Rectifier. Cardiovascular Drugs and Therapy, 2017, 31, 525-533.	2.6	7
36	Diadenosine Polyphosphates Suppress the Effects of Sympathetic Nerve Stimulation in Rabbit Heart Pacemaker. Bulletin of Experimental Biology and Medicine, 2017, 163, 586-589.	0.8	0

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37	Effect of Purine Co-Transmitters on Automatic Activity Caused by Norepinephrine in Myocardial Sleeves of Pulmonary Veins. Bulletin of Experimental Biology and Medicine, 2017, 162, 589-593.	0.8	2
38	The role of diadenosine pentaphosphate and nicotinamide adenine dinucleotide (NAD+) as potential nucleotide comediators in the adrenergic regulation of cardiac function. Neurochemical Journal, 2017, 11, 63-71.	0.5	4
39	Seasonal changes of cholinergic response in the atrium of Arctic navaga cod (Eleginus navaga). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 329-338.	1.5	18
40	M3 cholinoreceptors alter electrical activity of rat left atrium via suppression of L-type Ca2+ current without affecting K+ conductance. Journal of Physiology and Biochemistry, 2017, 73, 167-174.	3.0	5
41	Effects of Ni2+ and Cu2+ on K+ and H+ currents in lily pollen protoplasts. Functional Plant Biology, 2017, 44, 1171.	2.1	0
42	Hydrogen peroxide affects ion channels in lily pollen grain protoplasts. Plant Biology, 2016, 18, 761-767.	3.8	26
43	Effects of Nicotinamide Adenine Dinucleotide (NAD+) and Diadenosine Tetraphosphate (Ap4A) on Electrical Activity of Working and Pacemaker Atrial Myocardium in Guinea Pigs. Bulletin of Experimental Biology and Medicine, 2016, 160, 733-736.	0.8	8
44	Effects of exogenous nicotinamide adenine dinucleotide (NAD+) in the rat heart are mediated by P2 purine receptors. Journal of Biomedical Science, 2016, 23, 50.	7.0	12
45	Diadenosine tetra- and pentaphosphates affect contractility and bioelectrical activity in the rat heart via P2 purinergic receptors. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 303-313.	3.0	16
46	Decrease in the Sensitivity of Myocardium to M3 Muscarinic Receptor Stimulation during Postnatal Ontogenisis. Acta Naturae, 2016, 8, 127-131.	1.7	6
47	Effects of diadenosine polyphosphates on inward rectifier potassium currents in rat cardiomyocytes. Moscow University Biological Sciences Bulletin, 2015, 70, 153-157.	0.7	2
48	Carbon monoxide modulates electrical activity of murine myocardium via cGMP-dependent mechanisms. Journal of Physiology and Biochemistry, 2015, 71, 107-119.	3.0	9
49	Different Myocardial Sensitivity in Newborn and Mature Rats to Selective Stimulation of M3 Cholinoreceptors. Bulletin of Experimental Biology and Medicine, 2015, 159, 8-10.	0.8	3
50	Changes in Electrical Activity of Working Myocardium Under Condition of If Current Inhibition. Bulletin of Experimental Biology and Medicine, 2015, 158, 600-603.	0.8	2
51	Effects of a new antiarrhythmic drug SS-68 on electrical activity in working atrial and ventricular myocardium of mouse and their ionic mechanisms. Journal of Pharmacological Sciences, 2015, 128, 202-207.	2.5	2
52	Seasonal acclimatization of the cardiac potassium currents (IK1 and IKr) in an arctic marine teleost, the navaga cod (Eleginus navaga). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 883-890.	1.5	28
53	Effects of new class III antiarrhythmic drug niferidil on electrical activity in murine ventricular myocardium and their ionic mechanisms. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 1105-1112.	3.0	5
54	A new potassium ion current induced by stimulation of M2-cholinoreceptors in fish atrial myocytes. Journal of Experimental Biology, 2014, 217, 1745-51.	1.7	5

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55	Seasonal acclimatization of the cardiac action potential in the Arctic navaga cod (Eleginus navaga,) Tj ETQq1 1 0.784314 rgBT /Overlock 2014, 184, 319-327.	1.5	19
56	Influence of mechanical stress on fibroblastâ€“myocyte interactions in mammalian heart. Journal of Molecular and Cellular Cardiology, 2014, 70, 27-36.	1.9	37
57	Effects of Interleukin-18 on Bioelectric Activity of Rat Atrial Cardiomyocytes under Normal Conditions and during Gradual Stretching of the Tissue. Bulletin of Experimental Biology and Medicine, 2014, 157, 409-412.	0.8	6
58	Inhibition of the cardiac ATP-dependent potassium current by KB-R7943. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 175, 38-45.	1.8	16
59	TNF-Î± provokes electrical abnormalities in rat atrial myocardium via a NO-dependent mechanism. Pflugers Archiv European Journal of Physiology, 2013, 465, 1741-1752.	2.8	15
60	Nonâ€quantal release of acetylcholine in rat atrial myocardium is inhibited by noradrenaline. Experimental Physiology, 2013, 98, 1659-1667.	2.0	6
61	Inhibition of the cardiac inward rectifier potassium currents by KB-R7943. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 158, 181-186.	2.6	9
62	Effect of Selective Stimulation of Muscarinic M3 Cholinoceptors on Electrical and Contractile Activity of Rat Ventricular Myocardium. Bulletin of Experimental Biology and Medicine, 2013, 154, 295-298.	0.8	3
63	Normobaric, intermittent hypoxia conditioning is cardio- and vasoprotective in rats. Experimental Biology and Medicine, 2013, 238, 1413-1420.	2.4	35
64	Adaptation to hypoxia prevents endothelial dysfunction of coronary and nonâ€coronary blood vessels during myocardial ischemia and reperfusion injury. FASEB Journal, 2013, 27, 1207.13.	0.5	1
65	Inotropic Effects of Gaseous Transmitters in Isolated Rat Heart Preparation. Bulletin of Experimental Biology and Medicine, 2012, 153, 856-858.	0.8	6
66	Nitric oxide modulates intensity of non-quantal acetylcholine release in myocardium of the right atrium of rat. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2012, 6, 288-293.	0.6	1
67	An Anti-inflammatory Cytokine Interleukin-13: Physiological Role in the Heart and Mechanoelectrical Feedback. , 2012, , 155-164.		1
68	The Role of Proinflammatory Cytokines in Regulation of Cardiac Bioelectrical Activity: Link to Mechanoelectrical Feedback. , 2012, , 107-153.		3
69	Ion Channels in Cardiac Fibroblasts: Link to Mechanically Gated Channels and their Regulation. , 2012, , 215-244.		0
70	Both neuronal and non-neuronal acetylcholine take part in non-quantal acetylcholine release in the rat atrium. Life Sciences, 2012, 91, 1023-1026.	4.3	10
71	Effect of Nitric Oxide on Mechanoelectric Feedback in Rat Right Atrium. Bulletin of Experimental Biology and Medicine, 2012, 153, 32-35.	0.8	1
72	Effects of acetylcholinesterase inhibitor paraoxon denote the possibility of non-quantal acetylcholine release in myocardium of different vertebrates. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 101-108.	1.5	12

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73	Functional M3 cholinoreceptors are present in pacemaker and working myocardium of murine heart. Pflugers Archiv European Journal of Physiology, 2012, 463, 523-529.	2.8	23
74	Carbon monoxide affects electrical and contractile activity of rat myocardium. Journal of Biomedical Science, 2011, 18, 40.	7.0	13
75	Bioelectrical activity in the heart of the lugworm Arenicola marina. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 645-651.	1.5	1
76	Cholinergic modulation of activation sequence in the atrial myocardium of non-mammalian vertebrates. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 155, 231-236.	1.8	6
77	Nonâ€quantal release of acetylcholine from parasympathetic nerve terminals in the right atrium of rats. Experimental Physiology, 2010, 95, 265-273.	2.0	22
78	Investigation of pacemaker shift in the rabbit sinoatrial node using the optical mapping technique. Biophysics (Russian Federation), 2010, 55, 442-446.	0.7	0
79	The Effect of Hydrogen Sulfide on Electrical Activity of Rat Atrial Myocardium. Bulletin of Experimental Biology and Medicine, 2009, 147, 683-686.	0.8	19
80	Modulation of rabbit sinoatrial node activation sequence by acetylcholine and isoproterenol investigated with optical mapping technique. Acta Physiologica, 2009, 196, 385-394.	3.8	24
81	Mechanisms of Cardiac Muscle Insensitivity to a Novel Acetylcholinesterase Inhibitor C-547. Journal of Cardiovascular Pharmacology, 2009, 53, 162-166.	1.9	6