

Oleg E Osadchii

List of Publications by Year in descending order

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48
papers

1,043
citations

430843

18
h-index

434170

31
g-index

48
all docs

48
docs citations

48
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac hypertrophy induced by sustained β^2 -adrenoreceptor activation: pathophysiological aspects. <i>Heart Failure Reviews</i> , 2007, 12, 66-86.	3.9	147
2	Mechanisms of hypokalemia-induced ventricular arrhythmogenicity. <i>Fundamental and Clinical Pharmacology</i> , 2010, 24, 547-559.	1.9	119
3	Activation of big conductance Ca^{2+} -activated K^+ channels (BK) protects the heart against ischemia-reperfusion injury. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 457, 979-988.	2.8	84
4	Myocardial Phosphodiesterases and Regulation of Cardiac Contractility in Health and Cardiac Disease. <i>Cardiovascular Drugs and Therapy</i> , 2007, 21, 171-194.	2.6	75
5	Cardiac dilatation and pump dysfunction without intrinsic myocardial systolic failure following chronic β^2 -adrenoreceptor activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1898-H1905.	3.2	55
6	Emerging role of neurotensin in regulation of the cardiovascular system. <i>European Journal of Pharmacology</i> , 2015, 762, 184-192.	3.5	45
7	Myocardial structural, contractile and electrophysiological changes in the guinea-pig heart failure model induced by chronic sympathetic activation. <i>Experimental Physiology</i> , 2011, 96, 647-663.	2.0	35
8	Aldosterone Receptor Blockade Prevents the Transition to Cardiac Pump Dysfunction Induced by β^2 -Adrenoreceptor Activation. <i>Hypertension</i> , 2005, 45, 914-920.	2.7	31
9	Predictive value of electrical restitution in hypokalemia-induced ventricular arrhythmogenicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H210-H220.	3.2	29
10	Effects of ventricular pacing protocol on electrical restitution assessments in guinea-pig heart. <i>Experimental Physiology</i> , 2012, 97, 807-821.	2.0	29
11	Electrophysiological determinants of hypokalaemia-induced arrhythmogenicity in the guinea-pig heart. <i>Acta Physiologica</i> , 2009, 197, 273-287.	3.8	26
12	Impact of Hypokalemia on Electromechanical Window, Excitation Wavelength and Repolarization Gradients in Guinea-Pig and Rabbit Hearts. <i>PLoS ONE</i> , 2014, 9, e105599.	2.5	21
13	Chronic sympathetic activation promotes downregulation of β^2 -adrenoceptor-mediated effects in the guinea pig heart independently of structural remodeling and systolic dysfunction. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 462, 529-543.	2.8	20
14	Dofetilide Promotes Repolarization Abnormalities in Perfused Guinea-pig Heart. <i>Cardiovascular Drugs and Therapy</i> , 2012, 26, 489-500.	2.6	20
15	Contractile responses to selective phosphodiesterase inhibitors following chronic β^2 -adrenoreceptor activation. <i>Pflügers Archiv European Journal of Physiology</i> , 2006, 452, 155-163.	2.8	19
16	Chronic β^2 -adrenoreceptor activation increases cardiac cavity size through chamber remodeling and not via modifications in myocardial material properties. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H2762-H2767.	3.2	18
17	Rat strain-related differences in myocardial adrenergic tone and the impact on cardiac fibrosis, adrenergic responsiveness and myocardial structure and function. <i>Pharmacological Research</i> , 2007, 55, 287-294.	7.1	18
18	Na^+ channel distribution and electrophysiological heterogeneities in guinea pig ventricular wall. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H989-H1002.	3.2	18

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19	Flecainide-Induced Proarrhythmia Is Attributed to Abnormal Changes in Repolarization and Refractoriness in Perfused Guinea-Pig Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 60, 456-466.	1.9	18
20	Quinidine elicits proarrhythmic changes in ventricular repolarization and refractoriness in guinea-pig. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 306-315.	1.4	18
21	Impact and mechanisms of action of neurotensin on cardiac contractility in the rat left ventricle. <i>European Journal of Pharmacology</i> , 2005, 520, 108-117.	3.5	17
22	Mechanisms of preserved baseline cardiac systolic function in rats with adrenergic inotropic downregulation. <i>Life Sciences</i> , 2005, 78, 366-375.	4.3	16
23	Neurotensin-Induced Myocardial Noradrenergic Effects in Spontaneously Hypertensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, 221-227.	1.9	16
24	Procainamide and lidocaine produce dissimilar changes in ventricular repolarization and arrhythmogenicity in guinea pig. <i>Fundamental and Clinical Pharmacology</i> , 2014, 28, 382-393.	1.9	16
25	Chamber-specific effects of hypokalaemia on ventricular arrhythmogenicity in isolated, perfused guinea pig heart. <i>Experimental Physiology</i> , 2009, 94, 434-446.	2.0	15
26	Effects of Na ⁺ Channel Blockers on Extrasystolic Stimulation-evoked Changes in Ventricular Conduction and Repolarization. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 63, 240-251.	1.9	12
27	Impaired epicardial activation-repolarization coupling contributes to the proarrhythmic effects of hypokalaemia and dofetilide in guinea pig ventricles. <i>Acta Physiologica</i> , 2014, 211, 48-60.	3.8	11
28	Inotropic responses to phosphodiesterase inhibitors in cardiac hypertrophy in rats. <i>European Journal of Pharmacology</i> , 2005, 514, 201-208.	3.5	10
29	Effects of antiarrhythmics on the electrical restitution in perfused guinea pig heart are critically determined by the applied cardiac pacing protocol. <i>Experimental Physiology</i> , 2019, 104, 490-504.	2.0	9
30	Flecainide attenuates rate adaptation of ventricular repolarization in guinea-pig heart. <i>Scandinavian Cardiovascular Journal</i> , 2016, 50, 28-35.	1.2	8
31	Effects of Na ⁺ channel blockers on the restitution of refractory period, conduction time, and excitation wavelength in perfused guinea-pig heart. <i>PLoS ONE</i> , 2017, 12, e0172683.	2.5	8
32	Impact of Na ⁺ channel blockers on transmural dispersion of refractoriness and arrhythmic susceptibility in guinea-pig left ventricle. <i>European Journal of Pharmacology</i> , 2012, 691, 173-181.	3.5	7
33	Phosphodiesterase inhibition promotes the transition from compensated hypertrophy to cardiac dilatation in rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2006, 451, 526-533.	2.8	6
34	Impact of chronic \hat{I}^2 -adrenoceptor activation on neurotensin-induced myocardial effects in rats. <i>European Journal of Pharmacology</i> , 2006, 553, 246-253.	3.5	6
35	Electrophysiological determinants of arrhythmic susceptibility upon endocardial and epicardial pacing in guinea pig heart. <i>Acta Physiologica</i> , 2012, 205, 494-506.	3.8	6
36	Temporal changes in myocardial adrenergic regulation with the progression to pump dysfunction after chronic \hat{I}^2 -adrenoreceptor activation in rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 455, 251-260.	2.8	5

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37	Susceptibility to systolic dysfunction in the myocardium from chronically infarcted spontaneously hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H372-H378.	3.2	5
38	Arrhythmogenic drugs can amplify spatial heterogeneities in the electrical restitution in perfused guinea-pig heart: An evidence from assessments of monophasic action potential durations and JT intervals. <i>PLoS ONE</i> , 2018, 13, e0191514.	2.5	5
39	Reduced intrinsic heart rate is associated with reduced arrhythmic susceptibility in guinea-pig heart. <i>Scandinavian Cardiovascular Journal</i> , 2014, 48, 357-367.	1.2	4
40	Effects of antiarrhythmics and hypokalemia on the rate adaptation of cardiac repolarization. <i>Scandinavian Cardiovascular Journal</i> , 2018, 52, 218-226.	1.2	4
41	Flecainide-induced prolongation of ventricular repolarization contributes to the proarrhythmic profile of action. <i>International Journal of Cardiology</i> , 2015, 197, 81-82.	1.7	3
42	Determinants of slowed conduction in premature ventricular beats induced during programmed stimulations in perfused guinea-pig heart. <i>Experimental Physiology</i> , 2018, 103, 1230-1242.	2.0	2
43	What is the Difference between Online Learning and Traditional Teaching in Medical Education?. <i>Kuban Scientific Medical Bulletin</i> , 2020, 27, 175-183.	0.4	2
44	Subtype-selective blockade of cardiac muscarinic receptors inhibits vagal chronotropic responses in cats. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 455, 819-828.	2.8	1
45	Assessments of the QT/QRS restitution in perfused guinea-pig heart can discriminate safe and arrhythmogenic drugs. <i>Journal of Pharmacological and Toxicological Methods</i> , 2017, 87, 27-37.	0.7	1
46	Antiarrhythmic drug effects on premature beats are partly determined by prior cardiac activation frequency in perfused guinea-pig heart. <i>Experimental Physiology</i> , 2020, 105, 819-830.	2.0	1
47	Integrated curriculum: a contemporary innovation strategy in medical education. <i>Kuban Scientific Medical Bulletin</i> , 2020, 27, 51-61.	0.4	1
48	Electrocardiographic marker of the cardiac action potential triangulation induced by antiarrhythmic drugs in perfused guinea-pig heart. <i>Experimental Physiology</i> , 2022, 107, 864-878.	2.0	1