

# Sergey Alexandrovich Afanasiev

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

161  
citations

1683354

5  
h-index

1473754

9  
g-index

60  
all docs

60  
docs citations

60  
times ranked

304  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Method for Isolation of Cardiomyocytes from Adult Rat Heart. Bulletin of Experimental Biology and Medicine, 2005, 140, 370-373.	0.3	18
2	Nonpharmacological Correction of Hypersympatheticotonia in Patients with Chronic Coronary Insufficiency and Severe Left Ventricular Dysfunction. Annals of Noninvasive Electrocardiology, 2016, 21, 548-556.	0.5	17
3	Diabetes mellitus type 2 and acute myocardial infarction: prognostic options for interaction in patients of different age groups. Diabetes Mellitus, 2018, 21, 105-112.	0.5	7
4	Effect of Arachidonic Acid on the Rate of Oxygen Consumption in Isolated Cardiomyocytes from Intact Rats and Animals with Ischemic or Diabetic Injury to the Heart. Bulletin of Experimental Biology and Medicine, 2015, 160, 190-192.	0.3	6
5	Coupling of the Functional Stability of Rat Myocardium and Activity of Lipid Peroxidation in Combined Development of Postinfarction Remodeling and Diabetes Mellitus. Journal of Diabetes Research, 2016, 2016, 1-6.	1.0	6
6	Effects of age and ischemia on levels of lipoperoxides and lipid-soluble antioxidants in the human heart. Bulletin of Experimental Biology and Medicine, 1995, 119, 561-563.	0.3	5
7	Metabolic Alterations in Rat Myocardium in Experimental Acute Atrial Fibrillation. Bulletin of Experimental Biology and Medicine, 2005, 140, 397-399.	0.3	5
8	Development of an Experimental Model of Cardiac Failure Combined with Type I Diabetes Mellitus. Bulletin of Experimental Biology and Medicine, 2012, 153, 530-532.	0.3	5
9	Age-related characteristics of erythrocyte membrane microviscosity in experimental atherosclerosis. Advances in Gerontology, 2013, 3, 211-214.	0.1	5
10	Comparative Analysis of Changes of Myocardial Angiogenesis and Energy Metabolism in Postinfarction and Diabetic Damage of Rat Heart. Journal of Diabetes Research, 2014, 2014, 1-4.	1.0	5
11	Antidiabetic Effects of Bisamide Derivative of Dicarboxylic Acid in Metabolic Disorders. International Journal of Molecular Sciences, 2020, 21, 991.	1.8	5
12	Features the interaction of functional and metabolic remodeling of myocardium in comorbid course of ischemic heart disease and 2 type diabetes mellitus. Diabetes Mellitus, 2019, 22, 25-34.	0.5	5
13	Cardioprotective effect of trimetazidine during thrombolytic therapy in patients with acute myocardial infarction. Bulletin of Experimental Biology and Medicine, 2002, 134, 559-561.	0.3	4
14	Role of Phospholipase A2 in Activation of Isolated Cardiomyocyte Respiration in Postinfarction Atherosclerosis. Bulletin of Experimental Biology and Medicine, 2008, 146, 695-697.	0.3	4
15	Age-Dependent Changes in Na <sup>+</sup> ,K <sup>+</sup> -ATPase Activity and Lipid Peroxidation in Membranes of Erythrocytes during Atherosclerosis Development in Rats. Bulletin of Experimental Biology and Medicine, 2016, 161, 235-236.	0.3	4
16	Changes in rhythmoinotropic reactions of the myocardium in chronic ischemia: Pathology or adaptation?. Bulletin of Experimental Biology and Medicine, 1994, 117, 452-454.	0.3	3
17	Inotropic Response of the Myocardium in Rats with Postinfarction Atherosclerosis Exposed to Extrasystolic Treatment. Bulletin of Experimental Biology and Medicine, 2005, 139, 647-650.	0.3	3
18	Effect of stress-proteins on survival of bone marrow mesenchymal stem cells after intramyocardial transplantation against the background of postinfarction heart remodeling. Bulletin of Experimental Biology and Medicine, 2008, 146, 111-115.	0.3	3

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19	Rhythmoinotropic Myocardial Reactions in Rats with Postinfarction Cardiosclerosis against the Background of Streptozotocin-Induced Diabetes. Bulletin of Experimental Biology and Medicine, 2009, 148, 181-183.	0.3	3
20	Effect of Model Biological Media of Stability of Complex of Silver Nanoparticles Applied onto Silicon Nitride Substrate. Bulletin of Experimental Biology and Medicine, 2010, 150, 160-164.	0.3	3
21	Comparative Study of Changes in Energy Metabolism in Rat Cardiomyocytes in Postinfarction Cardiosclerosis and Diabetes Mellitus. Bulletin of Experimental Biology and Medicine, 2013, 156, 185-187.	0.3	3
22	LIPID PEROXIDATION AND THE LEVEL OF FREE FATTY ACIDS IN PATIENTS WITH DIABETES 2ND TYPE IN INSULIN THERAPY AND INTENSIVE GLYCEMIC CONTROL IN ACUTE PHASE OF MYOCARDIAL INFARCTION. Cardiovascular Therapy and Prevention (Russian Federation), 2015, 14, 25-30.	0.4	3
23	Ventricular tachycardia incidence and erythrocyte membranes $\beta$ -adrenoreactivity in patients with implanted cardioverter-defibrillator. PACE - Pacing and Clinical Electrophysiology, 2022, 45, 452-460.	0.5	3
24	Effect of amiodarone on functional state of sarcoplasmic reticulum in rat myocardium. Bulletin of Experimental Biology and Medicine, 2002, 133, 205-207.	0.3	2
25	Adaptive changes in the myocardium of patients with ischemic heart disease. Human Physiology, 2006, 32, 177-181.	0.1	2
26	Free radical lipid peroxidation during amiodarone therapy for postinfarction cardiosclerosis. Bulletin of Experimental Biology and Medicine, 2008, 146, 283-285.	0.3	2
27	Changes in the Rhythmoinotropic Dependence of the Myocardium in Rats with Postinfarction Cardiosclerosis after $\beta$ -1-Adrenoreceptor Blocking. Bulletin of Experimental Biology and Medicine, 2009, 147, 371-374.	0.3	2
28	Comparative Assessment of Heart Remodeling in Rats after Experimental Coronary Stenosis and Cryodestruction. Bulletin of Experimental Biology and Medicine, 2009, 147, 695-697.	0.3	2
29	Manifestation of Adaptive Changes during Combined Development of Postinfarction Remodeling of the Heart and Diabetes Mellitus. Bulletin of Experimental Biology and Medicine, 2010, 150, 172-174.	0.3	2
30	Features of lipid peroxidation in rats of different age after postinfarction cardiosclerosis. Advances in Gerontology, 2011, 1, 72-75.	0.1	2
31	Inotropic responses of human myocardium in ischemic heart disease. Bulletin of Experimental Biology and Medicine, 1993, 115, 633-636.	0.3	1
32	Cardiac contractility after acute cooling of the organism and adaptogenic correction of its disorders. Bulletin of Experimental Biology and Medicine, 1993, 116, 1355-1357.	0.3	1
33	In Vitro Formation of Mesenchymal Bone Marrow Islets. Bulletin of Experimental Biology and Medicine, 2004, 137, 625-627.	0.3	1
34	Initiation of stress protein synthesis in the myocardium of coronary patients. Bulletin of Experimental Biology and Medicine, 2004, 138, 365-368.	0.3	1
35	Contribution of $\beta$ -adrenoceptors to the contractility of the human myocardium in chronic coronary heart disease. Human Physiology, 2005, 31, 114-116.	0.1	1
36	Inhibition of calmodulin prevents spasms in autologous arterial bypass grafts during coronary disease surgery. Human Physiology, 2006, 32, 662-665.	0.1	1

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37	Phospholipid composition of erythrocyte membrane under conditions of postmyocardial infarction cardioclerosis. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2008, 2, 166-168.	0.2	1
38	Effect of Transplantation of Bone Marrow Cells on Morphology of Rat Myocardium after Cryodestruction. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 517-520.	0.3	1
39	Expression of Ca <sup>2+</sup> -ATPase in Sarcoplasmic Reticulum in Rat Cardiomyocytes during Experimental Postinfarction Cardiosclerosis and Diabetes Mellitus. <i>Bulletin of Experimental Biology and Medicine</i> , 2014, 156, 750-752.	0.3	1
40	Microviscosity of erythrocyte membranes in chronic coronary insufficiency in patients of middle and older age groups. <i>Advances in Gerontology</i> , 2015, 5, 45-49.	0.1	1
41	Effect of synthetic enkephalins on prostaglandin synthesis and lipid peroxidation in the isolated heart during activation of free radical processes. <i>Bulletin of Experimental Biology and Medicine</i> , 1992, 114, 1596-1599.	0.3	0
42	Functional heterogeneity of the atrial myocardium of patients with congenital and acquired heart defects. <i>Bulletin of Experimental Biology and Medicine</i> , 1992, 114, 1231-1232.	0.3	0
43	Opiatergic mechanisms of the cardiotropic effect of acute cooling. <i>Bulletin of Experimental Biology and Medicine</i> , 1994, 118, 1273-1275.	0.3	0
44	Effect of class III antiarrhythmic preparation nibentan on extrasystolic and post-extrasystolic contraction of rat papillary muscle. <i>Bulletin of Experimental Biology and Medicine</i> , 2002, 134, 15-17.	0.3	0
45	Effect of amiodarone on the dynamics of mechanical restitution of rat papillary muscles. <i>Bulletin of Experimental Biology and Medicine</i> , 2003, 135, 265-267.	0.3	0
46	Cardiac Effects of the Class III Antiarrhythmic Drugs Amiodarone and Nibentan. <i>Human Physiology</i> , 2005, 31, 467-471.	0.1	0
47	Activity of leukocyte lactate dehydrogenase isozymes in subjects of different ages. <i>Human Physiology</i> , 2006, 32, 245-247.	0.1	0
48	Colony-forming cells in rat myocardium after destructive exposure and intramyocardial transplantation of bone marrow cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 145, 137-140.	0.3	0
49	Evaluation of the Efficacy of Granulocytic Colony-Stimulating Factor for the Treatment of Experimental Myocardial Destruction in Mice. <i>Bulletin of Experimental Biology and Medicine</i> , 2010, 149, 131-134.	0.3	0
50	Lipid peroxidation during cardiac remodeling in 12-month-old rats with experimental infarction. <i>Bulletin of Experimental Biology and Medicine</i> , 2011, 150, 570-571.	0.3	0
51	Economical Technology of Creation of Cell-Free Matrix of Animal and Human Arterial Vessels. <i>Bulletin of Experimental Biology and Medicine</i> , 2011, 151, 543-546.	0.3	0
52	Radiofrequency Ablation as a Possible Method for Preparing Pathologically Altered Myocardium for Intramyocardial Cell Transplantation. <i>Bulletin of Experimental Biology and Medicine</i> , 2012, 152, 513-515.	0.3	0
53	Microviscosity of erythrocyte membranes during chronic heart failure in patients of middle and senior age groups. <i>Advances in Gerontology</i> , 2015, 5, 89-93.	0.1	0
54	Effect of stimulating the auricular branch of the vagus nerve on the heart rate in patients with severe chronic heart failure. <i>Human Physiology</i> , 2016, 42, 416-420.	0.1	0

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55	GENE CYP2C19 POLYMORPHISM G681A INFLUENCE ON THE EFFICACY OF CLOPIDOGREL IN ENDOVASCULAR TREATMENT OF ISCHEMIC HEART DISEASE COMORBID WITH TYPE 2 DIABETES. Russian Journal of Cardiology, 2015, , 81.	0.4	0
56	The association of ITGB3 gene and NOS3 gene with the severity of coronary artery disease with and without type 2 diabetes. Diabetes Mellitus, 2016, 19, 302-308.	0.5	0