Vladimir A Shvartz

List of Publications by Year
in descending order

66	460	933264 10	752573 20
papers	citations	h-index	g-index

72	72	72	557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endometrial regenerative cells for treatment of heart failure: a new stem cell enters the clinic. Journal of Translational Medicine, 2013, 11, 56.	1.8	76
2	Active ambulatory care management supported by short message services and mobile phone technology in patients with arterial hypertension. Journal of the American Society of Hypertension, 2012, 6, 346-355.	2.3	74
3	Method of estimation of synchronization strength between low-frequency oscillations in heart rate variability and photoplethysmographic waveform variability. Russian Open Medical Journal, 2016, 5, e0101.	0.1	35
4	A comprehensive assessment of cardiovascular autonomic control using photoplethysmograms recorded from the earlobe and fingers. Physiological Measurement, 2016, 37, 580-595.	1.2	28
5	Evaluation of 5â€Year Risk of Cardiovascular Events in Patients after Acute Myocardial Infarction Using Synchronization of 0.1â€Hz Rhythms in Cardiovascular System. Annals of Noninvasive Electrocardiology, 2012, 17, 204-213.	0.5	26
6	Phase and frequency locking of 0.1-Hz oscillations in heart rate and baroreflex control of blood pressure by breathing of linearly varying frequency as determined in healthy subjects. Human Physiology, 2013, 39, 416-425.	0.1	24
7	Mathematical modeling of the cardiovascular autonomic control in healthy subjects during a passive head-up tilt test. Scientific Reports, 2020, 10, 16525.	1.6	22
8	Low-frequency variability in photoplethysmographic waveform and heart rate during on-pump cardiac surgery with or without cardioplegia. Scientific Reports, 2020, 10, 2118.	1.6	22
9	Interaction of 0.1-Hz oscillations in heart rate variability and distal blood flow variability. Human Physiology, 2012, 38, 303-309.	0.1	17
10	Statin therapy in the primary prevention of early atrial fibrillation after coronary artery bypass grafting. Indian Heart Journal, 2016, 68, 792-797.	0.2	12
11	Epicardial Application of Hydrogel with Amiodarone for Prevention of Postoperative Atrial Fibrillation in Patients After Coronary Artery Bypass Grafting. Journal of Cardiovascular Translational Research, 2020, 13, 191-198.	1.1	10
12	Outcomes of Atrioseptostomy with Stenting in Patients with Pulmonary Arterial Hypertension from a Large Single-Institution Cohort. Diagnostics, 2020, 10, 725.	1.3	10
13	A modified hybrid stage I procedure for treatment of hypoplastic left heart syndrome: an original surgical approach. Interactive Cardiovascular and Thoracic Surgery, 2010, 11, 142-145.	0.5	7
14	A model of human cardiovascular system containing a loop for the autonomic control of mean blood pressure. Human Physiology, 2017, 43, 61-70.	0.1	7
15	Statin therapy in the prevention of atrial fibrillation in the early postoperative period after coronary artery bypass grafting: A meta-analysis. Cor Et Vasa, 2017, 59, e266-e271.	0.1	6
16	Colchicine for Prevention of Atrial Fibrillation after Cardiac Surgery in the Early Postoperative Period. Journal of Clinical Medicine, 2022, 11, 1387.	1.0	6
17	View on the Problem of Managing of Medical Care Quality. Oman Medical Journal, 2012, 27, 261-262.	0.3	4
18	Local Use of Hydrogel with Amiodarone in Cardiac Surgery: Experiment and Translation to the Clinic. Gels, 2021, 7, 29.	2.1	4

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19	Investigation of statistical characteristics of interaction between the low-frequency oscillations in heart rate variability and photoplethysmographic waveform variability in healthy subjects and myocardial infarction patients. Russian Open Medical Journal, 2016, 5, e0203.	0.1	4
20	Autonomic control of cardiorespiratory coupling in healthy subjects under moderate physical exercises. Russian Open Medical Journal, 2019, 8, .	0.1	4
21	Method of assessment of synchronization between low-frequency oscillations in heart rate variability and photoplethysmogram. Cardio-IT, 2016, 3, e0101.	0.3	4
22	Methods to increase clinical applicability of heart rate variability analysis for noninvasive detecting severity of coronary lesions in patients with coronary heart disease. Anatolian Journal of Cardiology, 2015, 15, 431-432.	0.5	3
23	Gender-related specificities of photoplethysmogram spectral assessment dynamics in healthy subjects during the passive tilt test. Russian Open Medical Journal, 2021, 10, .	0.1	3
24	Comparative study of short-term cardiovascular autonomic control in cardiac surgery patients who underwent coronary artery bypass grafting or correction of valvular heart disease. Journal of Cardiovascular and Thoracic Research, 2018, 10, 28-35.	0.3	3
25	Maze IIB method in surgery for atrial fibrillation complicated by arrhytmogenic mitral regurgitation. Annaly Aritmologii, 2020, 17, .	0.1	3
26	Predictors of Mortality Following Aortic Valve Replacement in Aortic Stenosis Patients. Pathophysiology, 2022, 29, 106-117.	1.0	3
27	Changes in the power of the low- and high-frequency bands of the heart rate variability spectrum in coronary heart disease patients with different severities of coronary atherosclerosis in the course of load tests. Human Physiology, 2008, 34, 312-318.	0.1	2
28	PHARMACOTHERAPY QUALITY IN PATIENTS WITH ARTERIAL HYPERTENSION OBSERVED IN PRIMARY CARE PRACTICE. HYPERTENSION REGISTER DATA. Rational Pharmacotherapy in Cardiology, 2011, 7, 725-732.	0.3	2
29	Miniature Rotary Blood Pumps for Use in Pediatric Cardiac Surgery. Bio-Medical Engineering, 2017, 50, 291-295.	0.3	2
30	Experimental Determination of the Normalized Index of Hemolysis for the Sputnik Implantable Pediatric Rotary Blood Pump. Bio-Medical Engineering, 2017, 50, 416-419.	0.3	2
31	Effect of epicardial application of amiodarone-releasing hydrogel on heart rate in an animal model. Cardiovascular Diagnosis and Therapy, 2019, 9, 328-336.	0.7	2
32	Efficacy of statin therapy in the prevention of atrial fibrillation in patients after coronary artery bypass grafting. Annaly Aritmologii, 2014, 11, 160-169.	0.1	2
33	Experience in the use of wireless system â€œSpyderâ€•for multi-day monitoring of electrocardiogram. Annaly Aritmologii, 2018, 15, 213-219.	0.1	2
34	The immediate results of simultaneous surgical correction of complex heart disease with concomitant atrial fibrillation immediate effects of isolated transmyocardial laser revascularization procedures combined with intramyocardial injection of autologous bone marrow stem cells in patients with terminal stage of coronary artery disease. Russian Open Medical Journal, 2017, 6, e0205.	0.1	2
35	Using of spectral analysis of heart rate variability for increasing reliability of bicycle ergometry results. Health, 2011, 03, 477-481.	0.1	2
36	Correlations Between Cardiovascular Autonomic Control Indices During the Two-hour Immobilization Test in Healthy Subjects. Open Cardiovascular Medicine Journal, 2016, 10, 35-43.	0.6	2

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37	Simultaneous surgical correction of atrial fibrillation and aortic valve replacement: immediate results after surgery. Russian Open Medical Journal, 2016, 5, e0404.	0.1	2
38	Echocardiography and laboratory parameters associated with perioperative atrial fibrillation in non-cardiac surgery. Annaly Aritmologii, 2020, 17, .	0.1	2
39	Long-Term Preoperative Atorvastatin or Rosuvastatin Use in Adult Patients before CABG Does Not Increase Incidence of Postoperative Acute Kidney Injury: A Propensity Score-Matched Analysis. Pathophysiology, 2022, 29, 354-364.	1.0	2
40	EFFECTS OF CARVEDILOL AND METOPROLOL ON VEGETATIVE REGULATION OF HEART AND MICROCIRCULATION IN PATIENTS WITH HYPERTENSION AND HIGH BODY MASS. Rational Pharmacotherapy in Cardiology, 2009, 5, 55-61.	0.3	1
41	Dynamics of Low-Frequency Components of Photoplethysmogram Signals in Hypertension. , 2019, , .		1
42	Potential Use of Heart Contractions as a Source of Energy for Implantable Devices. Bio-Medical Engineering, 2019, 52, 412-415.	0.3	1
43	ASSESSMENT OF MYOCARDIAL REPERFUSION QUALITY IN PATIENTS WITH ACUTE CORONARY SYNDROME AND ST SEGMENT ELEVATION, BASED ON THE CRITERIA BY THE AMERICAN COLLEGE OF CARDIOLOGY/AMERICAN HEART ASSOCIATION. Cardiovascular Therapy and Prevention (Russian) Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	1
44	Method for diagnostics of synchronization of 0.1 Hz rhythms of cardiovascular system autonomic regulation in real time. Annaly Aritmologii, 2014, 11, 129-136.	0.1	1
45	Dynamics of spectral indices of the heart rate variability and the photoplethysmogram and synchronization of the low-frequency oscillations in healthy subjects during the tilt test. , 2019, , .		1
46	Comparative assessment of quality of life of patients with atrial fibrillation after surgical and interventional treatment methods. Annaly Aritmologii, 2020, 17, .	0.1	1
47	Non-invasive evaluation of the kinematic activity of the intact left ventricle of the heart. Doklady Biological Sciences, 2016, 471, 255-257.	0.2	0
48	Experimental Studies of Non-Invasive Evaluation of Kinematic Activity of an Intact Left Ventricle. Bio-Medical Engineering, 2016, 50, 5-9.	0.3	0
49	Additional superior vena cava combined with abnormal inflow of the hepatic vein. Asian Cardiovascular and Thoracic Annals, 2018, 26, 566-569.	0.2	0
50	Choosing parameters for the analysis of synchronization of the autonomic regulatory contours of blood circulation in newborns. , 2019, , .		0
51	Heart rate variability in atrial septal defect both before and after operation. Cor Et Vasa, 2019, 61, 42-47.	0.1	0
52	Long-term results of isolated transmyocardial laser revascularization in combination with the intramyocardial autologous bone marrow stem cells injection. Lasers in Medical Science, 2020, 35, 1111-1117.	1.0	0
53	Determination of the Energy Efficiency of the Epicardium Using Magnetic Resonance Imaging with Contrast Enhancement in Patients with Cardiovascular Pathology. Bio-Medical Engineering, 2020, 54, 24-32.	0.3	0
54	Conversion of Cardiac Contractions into Electrical Energy Using an Epicardial Wireless Pacemaker. Bio-Medical Engineering, 2020, 53, 388-391.	0.3	0

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55	Modern tendencies in the use of information and telecommunication technologies in the treatment of patients with cardiovascular diseases. Klinicheskaia Meditsina, 2021, 98, 656-664.	0.2	0
56	The demand and interest of patients with cardiosurgical pathology in remote dynamic follow up using Internet services. Zdravookhranenie Rossiiskoi Federatsii / Ministerstvo Zdravookhraneniia RSFSR, 2021, 65, 222-229.	0.1	0
57	Organization-and-technological model of medical care delivered to patients with chronic heart failure. Cardio-IT, 2014, 1, 0304.	0.3	0
58	Novel results and future perspectives of study of cardiovascular autonomic control in prediabetic patients. Anatolian Journal of Cardiology, 2016, 16, 770-771.	0.5	0
59	Investigation of Delay Time in Interaction between the Regulatory Circuits in the Cardiovascular System of Healthy Humans Using Modeling of Phase Dynamics. Izvestiya of Saratov University, New Series: Physics, 2016, 16, 227-237.	0.1	0
60	The Immediate Results of Simultaneous Surgical Correction of Complex Heart Disease wiht Concomitant Atrial Fibrillation. Novosti Khirurgii, 2016, 24, 227-233.	0.2	0
61	Assessment of morphometric parameters of mitral valve in the surgical treatment of atrial fibrillation. Annaly Aritmologii, 2016, 13, 192-203.	0.1	0
62	Local Epicardial Application of Hudrogel: Experimental Study. Annaly Aritmologii, 2017, 14, 234-244.	0.1	0
63	Mutual Dynamics of Synchronization of Low-frequency Oscillations in Circulation Vegetative Regulation and Indicators of Variability of the Heart Rhythm in Patients after Operations with Artificial Circulation in the Early Postoperative Period. Novosti Khirurgii, 2018, 26, 24-33.	0.2	0
64	Long-term results of surgical treatment of arrythmogenic valvular regurgitation using Maze IIIB procedure. Annaly Aritmologii, 2018, 15, 84-91.	0.1	0
65	The randomized study of epicardial application of hydrogel with amiodarone for prevention of postoperative atrial fibrillation in patients after coronary artery bypass grafting. Annaly Aritmologii, 2018, 15, 196-203.	0.1	0
66	Mini-invasive technique of implanting the first domestic wireless epicardial pacemaker with a MEMS-converter. Russian Open Medical Journal, 2020, 9, .	0.1	0