

# Jan E Azarov

## List of Publications by Year in descending order

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52  
papers

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citations

1039406

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g-index

62  
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62  
docs citations

62  
times ranked

326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Terminal T-wave inversion predicts reperfusion tachyarrhythmias in STEMI. <i>Journal of Electrocardiology</i> , 2022, 71, 28-31.	0.4	1
2	Seasonal changes of electrophysiological heterogeneities in the rainbow trout ventricular myocardium. <i>Current Research in Physiology</i> , 2022, 5, 93-98.	0.8	2
3	MELATONIN TREATMENT IMPROVES VENTRICULAR CONDUCTION VIA UPREGULATION OF NAV1.5 CHANNEL PROTEINS AND SODIUM CURRENT IN THE NORMAL RAT HEART. <i>Journal of Pineal Research</i> , 2022, , e12798.	3.4	2
4	Prolonged alloxan diabetes mellitus in rabbits, an experimental model associated with increased susceptibility to reperfusion ventricular tachyarrhythmias. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
5	J wave is an underestimated ECG marker of risk in acute ischemia. <i>Journal of Electrocardiology</i> , 2021, 66, 5.	0.4	0
6	Melatonin Treatment Does Not Modify Ectopic Activity During Ischemia and Reperfusion in Rats. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
7	Prolongation of experimental diabetes mellitus increased susceptibility to reperfusion ventricular tachyarrhythmias. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 1097-1101.	0.7	2
8	Melatonin Prevents Early but Not Delayed Ventricular Fibrillation in the Experimental Porcine Model of Acute Ischemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 328.	1.8	10
9	Preprocessing Images Algorithm without Gaussian Shaped Particles for PIV Analysis and Imaging Vortices on the Epicardial Surface. , 2021, , .		0
10	Contribution of Depolarization and Repolarization Changes to J-Wave Generation and Ventricular Fibrillation in Ischemia. <i>Frontiers in Physiology</i> , 2020, 11, 568021.	1.3	5
11	Stretch-excitation correlation in the toad heart. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	1
12	ECG markers of local but not global increase in dispersion of ventricular repolarization (simulation) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.4	3
13	Melatonin Prevents 1A Phase Ventricular Fibrillation in Porcine Acute Myocardial Infarction Model. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
14	Multi-lead vs single-lead T peak -end interval measurements for prediction of reperfusion ventricular tachyarrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 2090-2097.	0.8	5
15	Prolongation of The Activation Time in Ischemic Myocardium is Associated with J-wave Generation in ECG and Ventricular Fibrillation. <i>Scientific Reports</i> , 2019, 9, 12202.	1.6	10
16	Association Between Antiarrhythmic, Electrophysiological, and Antioxidative Effects of Melatonin in Ischemia/Reperfusion. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6331.	1.8	27
17	Excitation of murine cardiac myocytes by nanosecond pulsed electric field. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 392-401.	0.8	31
18	Antiarrhythmic Effects of Chronic Melatonin Treatment Are Not Associated with Its Antioxidative Action in Rat Myocardial Ischemia/Reperfusion Model. <i>FASEB Journal</i> , 2019, 33, 833.14.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Preventive Melatonin Administration Decreased Dispersion of Repolarization and Myocardium Susceptibility to Ventricular Tachyarrhythmias in a Model of Acute Coronary Occlusion in Rabbits. FASEB Journal, 2019, 33, lb481.	0.2	0
20	Hemodynamic Responses to Ventricular Pacing in the Fish Heart Depend on Repolarization Duration at the Paced Regions. FASEB Journal, 2019, 33, lb414.	0.2	0
21	Repolarization in perfused myocardium predicts reperfusion ventricular tachyarrhythmias. Journal of Electrocardiology, 2018, 51, 542-548.	0.4	11
22	Progressive increase of the Tpeak-Tend interval is associated with ischaemia-induced ventricular fibrillation in a porcine myocardial infarction model. Europace, 2018, 20, 880-886.	0.7	10
23	The assessment of electrophysiological indices and ECG parameters as predictors of fatal arrhythmias under ischemia/reperfusion setting in multivariate regression model.. FASEB Journal, 2018, 32, lb315.	0.2	0
24	Ventricular activation times in rainbow trout and common carp. FASEB Journal, 2018, 32, lb232.	0.2	0
25	The Role of Transmural Repolarization Gradient in the Inversion of Cardiac Electric Field: Model Study of ECG in Hypothermia. Annals of Noninvasive Electrocardiology, 2017, 22, .	0.5	7
26	Effect of action potential duration on Tpeak-Tend interval, T-wave area and T-wave amplitude as indices of dispersion of repolarization: Theoretical and simulation study in the rabbit heart. Journal of Electrocardiology, 2017, 50, 919-924.	0.4	5
27	ELECTROCARDIOGRAPHIC MARKERS OF CARDIOMYOCYTES' ACTION POTENTIALS LENGTHENING IN THE BORDER ZONE OF ISCHEMIA (EXPERIMENTAL AND MODEL STUDY). Translational Medicine, 2017, 4, 71-77.	0.1	0
28	Functional role of myocardial electrical remodeling in diabetic rabbits. Canadian Journal of Physiology and Pharmacology, 2015, 93, 245-252.	0.7	5
29	Action potential duration gradients in the heart ventricles and the cardiac electric field during ventricular repolarization (a model study). Journal of Electrocardiology, 2015, 48, 678-685.	0.4	7
30	Effects of echinochrome on ventricular repolarization in acute ischemia. Journal of Electrocardiology, 2015, 48, 181-186.	0.4	14
31	Effect of heart electric stimulation on repolarization of ventricular myocardium of fish and amphibians. Journal of Evolutionary Biochemistry and Physiology, 2013, 49, 165-174.	0.2	3
32	What does the Tpeak-Tend interval reflect? An experimental and model study. Journal of Electrocardiology, 2013, 46, 296.e1-296.e8.	0.4	44
33	The Effect of Diabetes Mellitus on the Ventricular Epicardial Activation and Repolarization in Mice. Physiological Research, 2012, 61, 363-370.	0.4	7
34	Ventricular epicardial repolarization pattern in diabetic rabbits. FASEB Journal, 2012, 26, 1053.6.	0.2	0
35	Load-induced changes in ventricular repolarization: evidence of autonomic modulation. Canadian Journal of Physiology and Pharmacology, 2011, 89, 935-944.	0.7	5
36	Ventricular myocardial repolarization in acute coronary occlusion and reperfusion in cats. Doklady Biological Sciences, 2011, 437, 69-71.	0.2	2

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37	Epicardial activation-to-repolarization coupling differs in the local areas and on the entire ventricular surface. <i>Journal of Electrocardiology</i> , 2011, 44, 131-137.	0.4	5
38	The contribution of ventricular apicobasal and transmural repolarization patterns to the development of the T wave body surface potentials in frogs ( <i>Rana temporaria</i> ) and pike ( <i>Esox lucius</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2011, 159, 39-45.	0.8	16
39	Acute effects of pacing site on repolarization and haemodynamics of the canine ventricles. <i>Europace</i> , 2011, 13, 889-896.	0.7	13
40	Changed Duration of Ventricle Repolarization in Dog Heart under Conditions of Increased Preload. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 679-682.	0.3	2
41	Effect of ectopic excitation on pump function of the hen and dog right heart ventricle. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2009, 45, 105-110.	0.2	1
42	The effects of renovascular hypertension on repolarization of ventricular epicardium. <i>Experimental and Clinical Cardiology</i> , 2009, 14, e51-6.	1.3	1
43	Repolarization of ventricular myocardium in atrioventricular electrical stimulation of the heart in dogs. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 146, 168-171.	0.3	0
44	Repolarization of the rabbit cardiac ventricles after an increase of potassium concentration in the plasma. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 146, 185-188.	0.3	0
45	Repolarization of epicardial ventricular surface of rabbit heart in acute stenosis of the aortic arch. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 146, 180-181.	0.3	1
46	Ventricular repolarization pattern under heart cooling in the rabbit. <i>Acta Physiologica</i> , 2008, 193, 129-138.	1.8	24
47	Cardiac electric field at the period of depolarization and repolarization of the frog heart ventricle. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2008, 44, 204-211.	0.2	1
48	Correlation in time of the process of cardiac ventricle intramural depolarization and of distribution of cardioelectric field potentials of the dog <i>Canis familiaris</i> . <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2007, 43, 433-437.	0.2	0
49	Activation and repolarization patterns in the ventricular epicardium under sinus rhythm in frog and rabbit hearts. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2007, 146, 310-316.	0.8	19
50	Effect of pacing on ventricular repolarization in dogs. <i>Journal of Electrocardiology</i> , 2007, 40, S1-S2.	0.4	0
51	Cooling effect on cardiac electric field during ventricular repolarization in the frog. <i>Journal of Electrocardiology</i> , 2007, 40, S5.	0.4	0
52	Time correlation between initial activation of ventricular myocardium and cardiac electric potentials on body surface in dogs. <i>Bulletin of Experimental Biology and Medicine</i> , 2001, 131, 327-329.	0.3	0