

Jan E Azarov

List of Publications by Year in descending order

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52
papers

302
citations

1039406

9
h-index

940134

16
g-index

62
all docs

62
docs citations

62
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	What does the Tpeak-Tend interval reflect? An experimental and model study. <i>Journal of Electrocardiology</i> , 2013, 46, 296.e1-296.e8.	0.4	44
2	Excitation of murine cardiac myocytes by nanosecond pulsed electric field. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 392-401.	0.8	31
3	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
4	Ventricular repolarization pattern under heart cooling in the rabbit. <i>Acta Physiologica</i> , 2008, 193, 129-138.	1.8	24
5	Activation and repolarization patterns in the ventricular epicardium under sinus rhythm in frog and rabbit hearts. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, 310-316.	0.8	19
6	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 & Integrative Physiology</i> , 2011, 159, 39-45.	0.8	16
7	Effects of echinochrome on ventricular repolarization in acute ischemia. <i>Journal of Electrocardiology</i> , 2015, 48, 181-186.	0.4	14
8	Acute effects of pacing site on repolarization and haemodynamics of the canine ventricles. <i>Europace</i> , 2011, 13, 889-896.	0.7	13
9	Repolarization in perfused myocardium predicts reperfusion ventricular tachyarrhythmias. <i>Journal of Electrocardiology</i> , 2018, 51, 542-548.	0.4	11
10	Progressive increase of the Tpeak-Tend interval is associated with ischaemia-induced ventricular fibrillation in a porcine myocardial infarction model. <i>Europace</i> , 2018, 20, 880-886.	0.7	10
11	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
12	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
13	Action potential duration gradients in the heart ventricles and the cardiac electric field during ventricular repolarization (a model study). <i>Journal of Electrocardiology</i> , 2015, 48, 678-685.	0.4	7
14	The Role of Transmural Repolarization Gradient in the Inversion of Cardiac Electric Field: Model Study of ECG in Hypothermia. <i>Annals of Noninvasive Electrocardiology</i> , 2017, 22, .	0.5	7
15	The Effect of Diabetes Mellitus on the Ventricular Epicardial Activation and Repolarization in Mice. <i>Physiological Research</i> , 2012, 61, 363-370.	0.4	7
16	Load-induced changes in ventricular repolarization: evidence of autonomic modulation. <i>Canadian Journal of Physiology and Pharmacology</i> , 2011, 89, 935-944.	0.7	5
17	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
18	Functional role of myocardial electrical remodeling in diabetic rabbits. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 245-252.	0.7	5

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19	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. <i>Journal of Electrocardiology</i> , 2017, 50, 919-924.	0.4	5
20	Multi-lead vs single-lead T peak -T end interval measurements for prediction of reperfusion ventricular tachyarrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 2090-2097.	0.8	5
21	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
22	Effect of heart electric stimulation on repolarization of ventricular myocardium of fish and amphibians. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2013, 49, 165-174.	0.2	3
23	ECG markers of local but not global increase in dispersion of ventricular repolarization (simulation) T_j $ETQq1$ 1 0.784314 $rgBT_3$ /Overlook	0.4	3
24	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
25	Ventricular myocardial repolarization in acute coronary occlusion and reperfusion in cats. <i>Doklady Biological Sciences</i> , 2011, 437, 69-71.	0.2	2
26	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
27	Seasonal changes of electrophysiological heterogeneities in the rainbow trout ventricular myocardium. <i>Current Research in Physiology</i> , 2022, 5, 93-98.	0.8	2
28	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
29	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
30	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
31	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
32	Stretch-excitation correlation in the toad heart. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	1
33	The effects of renovascular hypertension on repolarization of ventricular epicardium. <i>Experimental and Clinical Cardiology</i> , 2009, 14, e51-6.	1.3	1
34	Terminal T-wave inversion predicts reperfusion tachyarrhythmias in STEMI. <i>Journal of Electrocardiology</i> , 2022, 71, 28-31.	0.4	1
35	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
36	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

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37	Effect of pacing on ventricular repolarization in dogs. Journal of Electrocardiology, 2007, 40, S1-S2.	0.4	0
38	Cooling effect on cardiac electric field during ventricular repolarization in the frog. Journal of Electrocardiology, 2007, 40, S5.	0.4	0
39	Repolarization of ventricular myocardium in atrioventricular electrical stimulation of the heart in dogs. Bulletin of Experimental Biology and Medicine, 2008, 146, 168-171.	0.3	0
40	Repolarization of the rabbit cardiac ventricles after an increase of potassium concentration in the plasma. Bulletin of Experimental Biology and Medicine, 2008, 146, 185-188.	0.3	0
41	Prolonged alloxan diabetes mellitus in rabbits, an experimental model associated with increased susceptibility to reperfusion ventricular tachyarrhythmias. FASEB Journal, 2021, 35, .	0.2	0
42	J wave is an underestimated ECG marker of risk in acute ischemia. Journal of Electrocardiology, 2021, 66, 5.	0.4	0
43	Melatonin Treatment Does Not Modify Ectopic Activity During Ischemia and Reperfusion in Rats. FASEB Journal, 2021, 35, .	0.2	0
44	Ventricular epicardial repolarization pattern in diabetic rabbits. FASEB Journal, 2012, 26, 1053.6.	0.2	0
45	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
46	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
47	Ventricular activation times in rainbow trout and common carp. FASEB Journal, 2018, 32, lb232.	0.2	0
48	Antiarrhythmic Effects of Chronic Melatonin Treatment Are Not Associated with Its Antioxidative Action in Rat Myocardial Ischemia/Reperfusion Model. FASEB Journal, 2019, 33, 833.14.	0.2	0
49	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
50	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
51	Melatonin Prevents 1A Phase Ventricular Fibrillation in Porcine Acute Myocardial Infarction Model. FASEB Journal, 2020, 34, 1-1.	0.2	0
52	Preprocessing Images Algorithm without Gaussian Shaped Particles for PIV Analysis and Imaging Vortices on the Epicardial Surface. , 2021, , .		0