Yusuf Olgar

List of Publications by Year
in descending order

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55 papers	625 citations	567144 15 h-index	610775 24 g-index
55 all docs	55 docs citations	55 times ranked	769 citing authors

#	Article	IF	Citations
1	A SGLT2 inhibitor dapagliflozin suppresses prolonged ventricular-repolarization through augmentation of mitochondrial function in insulin-resistant metabolic syndrome rats. Cardiovascular Diabetology, 2018, 17, 144.	2.7	105
2	Altered mitochondrial metabolism in the insulinâ€resistant heart. Acta Physiologica, 2020, 228, e13430.	1.8	56
3	Aging related functional and structural changes in the heart and aorta: MitoTEMPO improves aged-cardiovascular performance. Experimental Gerontology, 2018, 110, 172-181.	1.2	46
4	Zn2+-transporters ZIP7 and ZnT7 play important role in progression of cardiac dysfunction via affecting sarco(endo)plasmic reticulum-mitochondria coupling in hyperglycemic cardiomyocytes. Mitochondrion, 2019, 44, 41-52.	1.6	40
5	Ageingâ€associated increase in SGLT2 disrupts mitochondrial/sarcoplasmic reticulum Ca²⁺ homeostasis and promotes cardiac dysfunction. Journal of Cellular and Molecular Medicine, 2020, 24, 8567-8578.	1.6	27
6	Increased free Zn²⁺ correlates induction of sarco(endo)plasmic reticulum stress via altered expression levels of Zn²⁺â€transporters in heart failure. Journal of Cellular and Molecular Medicine, 2018, 22, 1944-1956.	1.6	25
7	A sodium-glucose cotransporter 2 (SGLT2) inhibitor dapagliflozin comparison with insulin shows important effects on Zn2+-transporters in cardiomyocytes from insulin-resistant metabolic syndrome rats through inhibition of oxidative stress. Canadian Journal of Physiology and Pharmacology, 2019, 97, 528-535.	0.7	24
8	Trace elements in diabetic cardiomyopathy: An electrophysiological overview. World Journal of Diabetes, 2013, 4, 92.	1.3	23
9	Sodium Tungstate Administration Ameliorated Diabetes-Induced Electrical and Contractile Remodeling of Rat Heart without Normalization of Hyperglycemia. Biological Trace Element Research, 2012, 148, 216-223.	1.9	21
10	Interplay Between Cytosolic Free Zn2+ and Mitochondrion Morphological Changes in Rat Ventricular Cardiomyocytes. Biological Trace Element Research, 2016, 174, 177-188.	1.9	20
11	MitoTEMPO provides an antiarrhythmic effect in aged-rats through attenuation of mitochondrial reactive oxygen species. Experimental Gerontology, 2020, 136, 110961.	1.2	20
12	Onset of decreased heart work is correlated with increased heart rate and shortened QT interval in high-carbohydrate fed overweight rats. Canadian Journal of Physiology and Pharmacology, 2017, 95, 1335-1342.	0.7	19
13	Induction of endoplasmic reticulum stress and changes in expression levels of Zn2+-transporters in hypertrophic rat heart. Molecular and Cellular Biochemistry, 2018, 440, 209-219.	1.4	19
14	Mitochondria-Targeting Antioxidant Provides Cardioprotection through Regulation of Cytosolic and Mitochondrial Zn2+ Levels with Re-Distribution of Zn2+-Transporters in Aged Rat Cardiomyocytes. International Journal of Molecular Sciences, 2019, 20, 3783.	1.8	19
15	Ellagic Acid Reduces L-type Ca2+ Current and Contractility Through Modulation of NO-GC-cGMP Pathways in Rat Ventricular Myocytes. Journal of Cardiovascular Pharmacology, 2014, 64, 567-573.	0.8	17
16	Cytosolic increased labile Zn2+ contributes to arrhythmogenic action potentials in left ventricular cardiomyocytes through protein thiol oxidation and cellular ATP depletion. Journal of Trace Elements in Medicine and Biology, 2018, 48, 202-212.	1.5	14
17	Rho-kinase inhibition reverses impaired Ca 2+ handling and associated left ventricular dysfunction in pressure overload-induced cardiac hypertrophy. Cell Calcium, 2017, 67, 81-90.	1.1	13
18	Swimming exercise reverses aging-related contractile abnormalities of female heart by improving structural alterations. Cardiology Journal, 2017, 24, 85-93.	0.5	13

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19	Effects of magnesium supplementation on electrophysiological remodeling of cardiac myocytes in L-NAME induced hypertensive rats. Journal of Bioenergetics and Biomembranes, 2016, 48, 425-436.	1.0	12
20	Effects of Ticagrelor on Ionic Currents and Contractility in Rat Ventricular Myocytes. Cardiovascular Drugs and Therapy, 2015, 29, 419-424.	1.3	10
21	Changes of auditory event-related potentials in ovariectomized rats injected with d-galactose: Protective role of rosmarinic acid. NeuroToxicology, 2017, 62, 64-74.	1.4	10
22	Azoramide improves mitochondrial dysfunction in palmitate-induced insulin resistant H9c2 cells. Molecular and Cellular Biochemistry, 2019, 461, 65-72.	1.4	9
23	Olive oil attenuates oxidative damage by improving mitochondrial functions in human keratinocytes. Journal of Functional Foods, 2020, 71, 104008.	1.6	8
24	Insulin acts as an atypical KCNQ1/KCNE1â€current activator and reverses long QT in insulinâ€resistant aged rats by accelerating the ventricular action potential repolarization through affecting the Î²₃â€adrenergic receptor signaling pathway. Journal of Cellular Physiology, 2022, 237, 1353-1371.	2.0	8
25	Î² 3 â€adrenergic receptor activation plays an important role in the depressed myocardial contractility via both elevated levels of cellular free Zn 2+ and reactive nitrogen species. Journal of Cellular Physiology, 2019, 234, 13370-13386.	2.0	7
26	Ticagrelor reverses the mitochondrial dysfunction through preventing accumulated autophagosomes-dependent apoptosis and ER stress in insulin-resistant H9c2 myocytes. Molecular and Cellular Biochemistry, 2020, 469, 97-107.	1.4	7
27	Intracellular Redistribution of Left Ventricular Connexin 43 Contributes to the Remodeling of Electrical Properties of the Heart in Insulin-resistant Elderly Rats. Journal of Histochemistry and Cytochemistry, 2022, 70, 447-462.	1.3	6
28	2.1 GHz electromagnetic field does not change contractility and intracellular Ca2+transients but decreases Î²-adrenergic responsiveness through nitric oxide signaling in rat ventricular myocytes. International Journal of Radiation Biology, 2015, 91, 851-857.	1.0	5
29	Tetrodotoxinâ€Sensitive Neuronalâ€Type Na ⁺ Channels: A Novel and Druggable Target for Prevention of Atrial Fibrillation. Journal of the American Heart Association, 2020, 9, e015119.	1.6	5
30	Ticagrelor alleviates high-carbohydrate intake induced altered electrical activity of ventricular cardiomyocytes by regulating sarcoplasmic reticulumâ€“mitochondria miscommunication. Molecular and Cellular Biochemistry, 2021, 476, 3827-3844.	1.4	4
31	Comparisons of pleiotropic effects of SGLT2 inhibition and GLP-1 agonism on cardiac glucose intolerance in heart dysfunction. Molecular and Cellular Biochemistry, 2022, 477, 2609-2625.	1.4	4
32	Zinc Signaling in Aging Heart Function. , 2019, , 139-164.		3
33	Interrelated In Vitro Mechanisms of Sibutramine-Induced Cardiotoxicity. Cardiovascular Toxicology, 2021, 21, 322-335.	1.1	2
34	Age-related Alterations in Cardiac Function and miRNAâ€™s. Journal of Ankara University Faculty of Medicine, 2021, 74, 239-244.	0.0	1
35	Beneficial Effect of a Mitochondrial-targeted Antioxidant Mitotempo in Insulin-resistant Mammalian Cardiac Dysfunction. Journal of Ankara University Faculty of Medicine, 2021, 74, 252-258.	0.0	1
36	MitoTEMPO Increases the Gastrointestinal Motility in Aged Rats. Cyprus Journal of Medical Sciences, 2019, 4, 24-27.	0.0	1

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37	STIM1-Orai1 interaction mediated calcium influx activation contributes to cardiac contractility of insulin-resistant rats. BMC Cardiovascular Disorders, 2022, 22, 147.	0.7	1
38	P128Ellagic acid reduces L-type Ca2+ current and induces negative inotropy through NO-GC-cGMP pathway in rat ventricular myocytes. Cardiovascular Research, 2014, 103, S22.4-S22.	1.8	0
39	An Investigation on Electrical Activity and Sarcolemmal K+-Channels in Cardiomyocytes from Insulin-Resistant Rat Heart. Biophysical Journal, 2016, 110, 272a-273a.	0.2	0
40	Age-Related Changes in Electrical Activities and Micrornas of Left Ventricular Cardiomyocytes Isolated from Rat Heart. Biophysical Journal, 2016, 110, 587a.	0.2	0
41	Both Hyperglycemia and Hyperinsulinemia Induce Changes in Voltage-Dependent K+ Channel Currents in H9c2 Ventricular Cells. Biophysical Journal, 2016, 110, 273a.	0.2	0
42	Role of Zinc Transporters in Mammalian Heart under Physiological and Pathological Conditions. Biophysical Journal, 2017, 112, 538a.	0.2	0
43	Î²3-Adrenergic Receptor Regulation of Cardiac Ion Channels in Overweight Insulin Resistant Rats. Biophysical Journal, 2018, 114, 304a.	0.2	0
44	Inhibiton of Protein Kinase G Preserves Prolonged Ventricular Action Potentials via Improvement of Slow-Activated Voltage-Dependent K+-Channel Currents in Aged Rat Cardiomyocytes. Biophysical Journal, 2019, 116, 98a.	0.2	0
45	A Calmodulin Mutation that Dysregulates NaV1.6 But Not NaV1.5. Biophysical Journal, 2020, 118, 576a.	0.2	0
46	Multiscale, Multimodal Imaging of Structure and Function Reveals Mechanisms of Normal and Abnormal Cardiac Physiology. Microscopy and Microanalysis, 2020, 26, 836-837.	0.2	0
47	The Concentration-dependent Investigation of the Toxic Effects of the Anorectic Agent Sibutramine on the Electrical Activity of the Cardiomyocytes in Metabolic Syndrome Rat Heart. Journal of Ankara University Faculty of Medicine, 2021, 74, 245-251.	0.0	0
48	Bimodal Effects of P2Y12 Antagonism on Matrix Metalloproteinaseâ€“Associated Contractile Dysfunction in Ä°nsulin-Resistant Mammalian Heart. Biological Trace Element Research, 2021, , 1.	1.9	0
49	Sulfur Dioxide Derivative Prevents Left Ventricular Hypertrophy and Electrophysiological Alterations. FASEB Journal, 2013, 27, 706.3.	0.2	0
50	Opposite Effects of Beta3 Adrenergic Receptor Agonists on Electrical Properties of Normal and Hyperglycemic Cardiomyocytes. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-2-18.	0.0	0
51	An Investigation on Molecular Basis of the Effects of SGLT2 Ä°nhibitor Dapagliflozin on Hyperglycemia-Associated Heart Dysfunction*. Journal of Ankara University Faculty of Medicine, 2018, 71, 131-138.	0.0	0
52	The Effect of Aging and Exercise Training on Carbon Monoxide Relaxation Response in Thoracic Aorta and Gastrocnemius Feed Artery. Turk Hijiyen Ve Deneysel Biyoloji Dergisi Turkish Bulletin of Hygiene and Experimental Biology, 2020, 77, 449-458.	0.1	0
53	Insulin Similar to Activator of KCNQ1 Channel Recovers the Prolonged Repolarization of Ventricular Cardiomyocytes from Insulin Resistant Aged Rats. FASEB Journal, 2020, 34, 1-1.	0.2	0
54	Mutant D96V calmodulin induces unexpected remodeling of cardiac nanostructure and physiology. Journal of General Physiology, 2022, 154, .	0.9	0

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55	Modulatory role of OKG on delayed rectifier potassium channels in ventricular cardiomyocytes from metabolic syndrome rats. Biophysical Journal, 2022, 121, 240a.	0.2	0