

Alex Ali Sayour

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

520
citations

686830

13
h-index

713013

21
g-index

37
all docs

37
docs citations

37
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute canagliflozin treatment protects against in vivo myocardial ischemiaâ€“reperfusion injury in non-diabetic male rats and enhances endothelium-dependent vasorelaxation. <i>Journal of Translational Medicine</i> , 2019, 17, 127.	1.8	88
2	Physiological and pathological left ventricular hypertrophy of comparable degree is associated with characteristic differences of in vivo hemodynamics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H587-H597.	1.5	38
3	Hypothermic perfusion of donor heart with a preservation solution supplemented by mesenchymal stem cells. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 315-326.	0.3	32
4	Characterization of left ventricular myocardial sodium-glucose cotransporter 1 expression in patients with end-stage heart failure. <i>Cardiovascular Diabetology</i> , 2020, 19, 159.	2.7	28
5	Sex Differences in Morphological and Functional Aspects of Exercise-Induced Cardiac Hypertrophy in a Rat Model. <i>Frontiers in Physiology</i> , 2019, 10, 889.	1.3	26
6	Characterization of the dynamic changes in left ventricular morphology and function induced by exercise training and detraining. <i>International Journal of Cardiology</i> , 2019, 277, 178-185.	0.8	23
7	Longitudinal Strain Reflects Ventriculoarterial Coupling Rather Than Mere Contractility in Rat Models of Hemodynamic Overloadâ€“Induced Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1264-1275.e4.	1.2	21
8	Myocardial work index: a marker of left ventricular contractility in pressureâ€“or volume overloadâ€“induced heart failure. <i>ESC Heart Failure</i> , 2021, 8, 2220-2231.	1.4	21
9	Sodiumâ€“glucose cotransporter 2 inhibitors reduce myocardial infarct size in preclinical animal models of myocardial ischaemiaâ€“reperfusion injury: a meta-analysis. <i>Diabetologia</i> , 2021, 64, 737-748.	2.9	20
10	AIM2-driven inflammasome activation in heart failure. <i>Cardiovascular Research</i> , 2021, 117, 2639-2651.	1.8	19
11	Novel insights into the athleteâ€™s heart: is myocardial work the new champion of systolic function?. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 188-197.	0.5	19
12	Pressure-volume analysis reveals characteristic sex-related differences in cardiac function in a rat model of aortic banding-induced myocardial hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H502-H511.	1.5	18
13	The effects of acute and elective cardiac surgery on the anxiety traits of patients with Marfan syndrome. <i>BMC Psychiatry</i> , 2017, 17, 253.	1.1	17
14	Mesenchymal stem cell-derived conditioned medium protects vascular grafts of brain-dead rats against in vitro ischemia/reperfusion injury. <i>Stem Cell Research and Therapy</i> , 2021, 12, 144.	2.4	14
15	Complete Reversion of Cardiac Functional Adaptation Induced by Exercise Training. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 420-429.	0.2	13
16	Heterotopic Abdominal Rat Heart Transplantation as a Model to Investigate Volume Dependency of Myocardial Remodeling. <i>Transplantation</i> , 2017, 101, 498-505.	0.5	13
17	Myofilament Ca ²⁺ sensitivity correlates with left ventricular contractility during the progression of pressure overload-induced left ventricular myocardial hypertrophy in rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 129, 208-218.	0.9	11
18	Brain-dead donor heart conservation with a preservation solution supplemented by a conditioned medium from mesenchymal stem cells improves graft contractility after transplantation. <i>American Journal of Transplantation</i> , 2020, 20, 2847-2856.	2.6	10

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19	Routine aortic valve replacement followed by a myriad of complications: role of 3D printing in a difficult cardiac surgical case. <i>Journal of Thoracic Disease</i> , 2017, 9, E1021-E1024.	0.6	9
20	Incomplete structural reverse remodeling from late-stage left ventricular hypertrophy impedes the recovery of diastolic but not systolic dysfunction in rats. <i>Journal of Hypertension</i> , 2019, 37, 1200-1212.	0.3	9
21	Effects of SGLT2 Inhibitors beyond Glycemic Control—Focus on Myocardial SGLT1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9852.	1.8	9
22	Targeting Phosphodiesterase-5 by Vardenafil Improves Vascular Graft Function. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018, 56, 256-263.	0.8	8
23	Pharmacological preconditioning with gemfibrozil preserves cardiac function after heart transplantation. <i>Scientific Reports</i> , 2017, 7, 14232.	1.6	7
24	Inflammasome activation in end-stage heart failure—associated atrial fibrillation. <i>ESC Heart Failure</i> , 2022, 9, 2747-2752.	1.4	7
25	Sex similarities and differences in the reverse and anti-remodeling effect of pressure unloading therapy in a rat model of aortic banding and debanding. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H204-H222.	1.5	7
26	Impairment of the Akt pathway in transplanted Type 1 diabetic hearts is associated with post-transplant graft injury. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 27, 884-894.	0.5	5
27	Balanced Intense Exercise Training Induces Atrial Oxidative Stress Counterbalanced by the Antioxidant System and Atrial Hypertrophy That Is Not Associated with Pathological Remodeling or Arrhythmogenicity. <i>Antioxidants</i> , 2021, 10, 452.	2.2	5
28	Left Ventricular SGLT1 Protein Expression Correlates with the Extent of Myocardial Nitro-Oxidative Stress in Rats with Pressure and Volume Overload-Induced Heart Failure. <i>Antioxidants</i> , 2021, 10, 1190.	2.2	5
29	Stimulation of soluble guanylate cyclase improves donor organ function in rat heart transplantation. <i>Scientific Reports</i> , 2020, 10, 5358.	1.6	4
30	Graft Preservation Solution DuraGraft® Alleviates Vascular Dysfunction Following In Vitro Ischemia/Reperfusion Injury in Rats. <i>Pharmaceuticals</i> , 2021, 14, 1028.	1.7	4
31	Network analysis of the left anterior descending coronary arteries in swim-trained rats by an in situ video microscopic technique. <i>Biology of Sex Differences</i> , 2021, 12, 37.	1.8	3
32	Conditioned Medium from Mesenchymal Stem Cells Alleviates Endothelial Dysfunction of Vascular Grafts Submitted to Ischemia/Reperfusion Injury in 15-Month-Old Rats. <i>Cells</i> , 2021, 10, 1231.	1.8	2
33	Aspirin Reduces Ischemia-Reperfusion Injury Induced Endothelial Cell Damage of Arterial Grafts in a Rodent Model. <i>Antioxidants</i> , 2022, 11, 177.	2.2	2
34	Sex-related differences of early cardiac functional and proteomic alterations in a rat model of myocardial ischemia. <i>Journal of Translational Medicine</i> , 2021, 19, 507.	1.8	2
35	N-octanoyl dopamine is superior to dopamine in protecting graft contractile function when administered to the heart transplant recipients from brain-dead donors. <i>Pharmacological Research</i> , 2019, 150, 104503.	3.1	1
36	Left-ventricular hypertrophy in 18-month-old donor rat hearts was not associated with graft dysfunction in the early phase of reperfusion after cardiac transplantation—gene expression profiling. <i>GeroScience</i> , 2021, 43, 1995-2013.	2.1	0