Sevil Korkmaz-IcÃ¶z

List of Publications by Year
in descending order

44 papers	745 citations	567281 15 h-index	552781 26 g-index
45 all docs	45 docs citations	45 times ranked	1440 citing authors

#	Article	IF	Citations
1	Aspirin Reduces Ischemia-Reperfusion Injury Induced Endothelial Cell Damage of Arterial Grafts in a Rodent Model. Antioxidants, 2022, 11, 177.	5.1	2
2	Sex similarities and differences in the reverse and anti-remodeling effect of pressure unloading therapy in a rat model of aortic banding and debanding. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H204-H222.	3.2	7
3	Pharmacological activation of soluble guanylate cyclase improves vascular graft function. Interactive Cardiovascular and Thoracic Surgery, 2021, 32, 803-811.	1.1	3
4	Mesenchymal stem cell-derived conditioned medium protects vascular grafts of brain-dead rats against in vitro ischemia/reperfusion injury. Stem Cell Research and Therapy, 2021, 12, 144.	5.5	14
5	Left-ventricular hypertrophy in 18-month-old donor rat hearts was not associated with graft dysfunction in the early phase of reperfusion after cardiac transplantationâ€“gene expression profiling. GeroScience, 2021, 43, 1995-2013.	4.6	0
6	Conditioned Medium from Mesenchymal Stem Cells Alleviates Endothelial Dysfunction of Vascular Grafts Submitted to Ischemia/Reperfusion Injury in 15-Month-Old Rats. Cells, 2021, 10, 1231.	4.1	2
7	Monitoring of perfusion quality and prediction of donor heart function during ex-vivo machine perfusion by myocardial microcirculation versus surrogate parameters. Journal of Heart and Lung Transplantation, 2021, 40, 387-391.	0.6	13
8	Impact of skeletonized harvesting of the internal thoracic artery on intrasternal microcirculation considering preparation quality. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 779-783.	1.1	0
9	The Sodium-Glucose Cotransporter-2 Inhibitor Canagliflozin Alleviates Endothelial Dysfunction Following In Vitro Vascular Ischemia/Reperfusion Injury in Rats. International Journal of Molecular Sciences, 2021, 22, 7774.	4.1	13
10	Relationship of Laser-Doppler-Flow and coronary perfusion and a concise update on the importance of coronary microcirculation in donor heart machine perfusion. Clinical Hemorheology and Microcirculation, 2021, 79, 1-8.	1.7	1
11	Reconditioning of circulatory death hearts by ex-vivo machine perfusion with a novel HTK-N preservation solution. Journal of Heart and Lung Transplantation, 2021, 40, 1135-1144.	0.6	8
12	Graft Preservation Solution DuraGraftÂ® Alleviates Vascular Dysfunction Following In Vitro Ischemia/Reperfusion Injury in Rats. Pharmaceuticals, 2021, 14, 1028.	3.8	4
13	Stimulation of soluble guanylate cyclase improves donor organ function in rat heart transplantation. Scientific Reports, 2020, 10, 5358.	3.3	4
14	Brain-dead donor heart conservation with a preservation solution supplemented by a conditioned medium from mesenchymal stem cells improves graft contractility after transplantation. American Journal of Transplantation, 2020, 20, 2847-2856.	4.7	10
15	Ethical Decision Diagrams on Donation After Cardiocirculatory Death Heart Transplantation Considering Organ Preservation Techniques. Transplantation Direct, 2020, 6, e617.	1.6	4
16	N-octanoyl dopamine is superior to dopamine in protecting graft contractile function when administered to the heart transplant recipients from brain-dead donors. Pharmacological Research, 2019, 150, 104503.	7.1	1
17	Genetic Ablation of TASK-1 (Tandem of P Domains in a Weak Inward Rectifying K ⁺) Tj ETQq1 1 0.784314 rgBT /Overlock Channels Suppresses Atrial Fibrillation and Prevents Electrical Remodeling. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007465.	4.8	25
18	Acute canagliflozin treatment protects against in vivo myocardial ischemiaâ€“reperfusion injury in non-diabetic male rats and enhances endothelium-dependent vasorelaxation. Journal of Translational Medicine, 2019, 17, 127.	4.4	88

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19	Myofilament Ca2+ sensitivity correlates with left ventricular contractility during the progression of pressure overload-induced left ventricular myocardial hypertrophy in rats. Journal of Molecular and Cellular Cardiology, 2019, 129, 208-218.	1.9	11
20	Incomplete structural reverse remodeling from late-stage left ventricular hypertrophy impedes the recovery of diastolic but not systolic dysfunction in rats. Journal of Hypertension, 2019, 37, 1200-1212.	0.5	9
21	Hypothermic perfusion of donor heart with a preservation solution supplemented by mesenchymal stem cells. Journal of Heart and Lung Transplantation, 2019, 38, 315-326.	0.6	32
22	Targeting Phosphodiesterase-5 by Vardenafil Improves Vascular Graft Function. European Journal of Vascular and Endovascular Surgery, 2018, 56, 256-263.	1.5	8
23	Targeting phosphodiesterase 5 as a therapeutic option against myocardial ischaemia/reperfusion injury and for treating heart failure. British Journal of Pharmacology, 2018, 175, 223-231.	5.4	27
24	Olaparib protects cardiomyocytes against oxidative stress and improves graft contractility during the early phase after heart transplantation in rats. British Journal of Pharmacology, 2018, 175, 246-261.	5.4	25
25	Mechanical pressure unloading therapy reverses thoracic aortic structural and functional changes in a hypertensive rat model. Journal of Hypertension, 2018, 36, 2350-2361.	0.5	3
26	Impairment of the Akt pathway in transplanted Type 1 diabetic hearts is associated with post-transplant graft injuryâ€. Interactive Cardiovascular and Thoracic Surgery, 2018, 27, 884-894.	1.1	5
27	Is internal thoracic artery resistant to reperfusion injury? Evaluation of the storage of free internal thoracic artery grafts. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1460-1469.	0.8	12
28	Pressure-volume analysis reveals characteristic sex-related differences in cardiac function in a rat model of aortic banding-induced myocardial hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H502-H511.	3.2	18
29	Comparison of the Reverse-Remodeling Effect of Pharmacological Soluble Guanylate Cyclase Activation With Pressure Unloading in Pathological Myocardial Left Ventricular Hypertrophy. Frontiers in Physiology, 2018, 9, 1869.	2.8	4
30	Reverse electrical remodeling following pressure unloading in a rat model of hypertension-induced left ventricular myocardial hypertrophy. Hypertension Research, 2017, 40, 637-645.	2.7	14
31	Prolonging hypothermic ischaemic cardiac and vascular storage by inhibiting the activation of the nuclear enzyme poly(adenosine diphosphate-ribose) polymerase. European Journal of Cardio-thoracic Surgery, 2017, 51, 829-835.	1.4	6
32	Analysis of urinary cathepsin C for diagnosing Papillonâ€“LefÃ¨vre syndrome. FEBS Journal, 2016, 283, 498-509.	4.7	14
33	Identification of novel antigens contributing to autoimmunity in cardiovascular diseases. Clinical Immunology, 2016, 173, 64-75.	3.2	11
34	Myocardial reverse remodeling after pressure unloading is associated with maintained cardiac mechanoenergetics in a rat model of left ventricular hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H592-H603.	3.2	19
35	Left ventricular pressure-volume measurements and myocardial gene expression profile in type 2 diabetic Goto-Kakizaki rats. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H958-H971.	3.2	23
36	Oral treatment with a zinc complex of acetylsalicylic acid prevents diabetic cardiomyopathy in a rat model of type-2 diabetes: activation of the Akt pathway. Cardiovascular Diabetology, 2016, 15, 75.	6.8	32

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37	Critical role of RAGE and HMGB1 in inflammatory heart disease. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E155-64.	7.1	130
38	Administration of zinc complex of acetylsalicylic acid after the onset of myocardial injury protects the heart by upregulation of antioxidant enzymes. Journal of Physiological Sciences, 2016, 66, 113-125.	2.1	24
39	Dimethyloxalylglycine treatment of brain-dead donor rats improves both donor and graft left ventricular function after heart transplantation. Journal of Heart and Lung Transplantation, 2016, 35, 99-107.	0.6	19
40	The soluble guanylate cyclase activator cinaciguat prevents cardiac dysfunction in a rat model of type-1 diabetes mellitus. Cardiovascular Diabetology, 2015, 14, 145.	6.8	46
41	Combined treatment with olmesartan medoxomil and amlodipine besylate attenuates atherosclerotic lesion progression in a model of advanced atherosclerosis. Drug Design, Development and Therapy, 2015, 9, 3935.	4.3	3
42	Mild Type 2 Diabetes Mellitus Reduces the Susceptibility of the Heart to Ischemia/Reperfusion Injury: Identification of Underlying Gene Expression Changes. Journal of Diabetes Research, 2015, 2015, 1-16.	2.3	22
43	Mild type 2 diabetes mellitus improves remote endothelial dysfunction after acute myocardial infarction. Journal of Diabetes and Its Complications, 2015, 29, 1253-1260.	2.3	8
44	Effects of soluble guanylate cyclase activation on heart transplantation in a rat model. Journal of Heart and Lung Transplantation, 2015, 34, 1346-1353.	0.6	21