Modar Kassan

List of Publications by Year
in descending order

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44 papers	1,674 citations	304368 22 h-index	301761 39 g-index
44 all docs	44 docs citations	44 times ranked	2700 citing authors

#	Article	IF	Citations
1	Endoplasmic Reticulum Stress Is Involved in Cardiac Damage and Vascular Endothelial Dysfunction in Hypertensive Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1652-1661.	1.1	182
2	Interleukin-10 Released by CD4 ⁺ CD25 ⁺ Natural Regulatory T Cells Improves Microvascular Endothelial Function Through Inhibition of NADPH Oxidase Activity in Hypertensive Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2534-2542.	1.1	151
3	Mechanism of endoplasmic reticulum stress-induced vascular endothelial dysfunction. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1063-1075.	1.9	119
4	Natural Regulatory T Cells Control Coronary Arteriolar Endothelial Dysfunction in Hypertensive Mice. American Journal of Pathology, 2011, 178, 434-441.	1.9	109
5	Vascular microRNA-204 is remotely governed by the microbiome and impairs endothelium-dependent vasorelaxation by downregulating Sirtuin1. Nature Communications, 2016, 7, 12565.	5.8	93
6	Sirtuin1-regulated lysine acetylation of p66Shc governs diabetes-induced vascular oxidative stress and endothelial dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1714-1719.	3.3	92
7	A Novel Role for Epidermal Growth Factor Receptor Tyrosine Kinase and Its Downstream Endoplasmic Reticulum Stress in Cardiac Damage and Microvascular Dysfunction in Type 1 Diabetes Mellitus. Hypertension, 2012, 60, 71-80.	1.3	90
8	Enhanced NF-Î¹B Activity Impairs Vascular Function Through PARP-1â€“, SP-1â€“, and COX-2â€“Dependent Mechanisms in Type 2 Diabetes. Diabetes, 2013, 62, 2078-2087.	0.3	74
9	P66Shc-Induced MicroRNA-34a Causes Diabetic Endothelial Dysfunction by Downregulating Sirtuin1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2394-2403.	1.1	67
10	Sirtuin 1 regulates cardiac electrical activity by deacetylating the cardiac sodium channel. Nature Medicine, 2017, 23, 361-367.	15.2	62
11	Long-term intake of a milk casein hydrolysate attenuates the development of hypertension and involves cardiovascular benefits. Pharmacological Research, 2011, 63, 398-404.	3.1	50
12	Essential Role of Smooth Muscle STIM1 in Hypertension and Cardiovascular Dysfunction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1900-1909.	1.1	48
13	CD4 +CD25 +Foxp3 regulatory T cells and vascular dysfunction in hypertension. Journal of Hypertension, 2013, 31, 1939-1943.	0.3	46
14	Poly(ADP-Ribose) Polymerase 1 Inhibition Improves Coronary Arteriole Function in Type 2 Diabetes Mellitus. Hypertension, 2012, 59, 1060-1068.	1.3	44
15	Chronic inhibition of endoplasmic reticulum stress and inflammation prevents ischaemiaâ€induced vascular pathology in type II diabetic mice. Journal of Pathology, 2012, 227, 165-174.	2.1	40
16	MicroRNA-204 promotes vascular endoplasmic reticulum stress and endothelial dysfunction by targeting Sirtuin1. Scientific Reports, 2017, 7, 9308.	1.6	39
17	Enhanced endoplasmic reticulum and mitochondrial stress in abdominal aortic aneurysm. Clinical Science, 2019, 133, 1421-1438.	1.8	39
18	MicroRNAs and obesity-induced endothelial dysfunction: key paradigms in molecular therapy. Cardiovascular Diabetology, 2020, 19, 136.	2.7	34

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19	Metformin prevents vascular damage in hypertension through the AMPK/ER stress pathway. Hypertension Research, 2019, 42, 960-969.	1.5	29
20	Chronic treatment with pravastatin prevents early cardiovascular changes in spontaneously hypertensive rats. British Journal of Pharmacology, 2009, 158, 541-547.	2.7	27
21	In vitro antioxidant activity of pravastatin provides vascular protection. European Journal of Pharmacology, 2010, 630, 107-111.	1.7	26
22	Enhanced p22^{phox}expression impairs vascular function through p38 and ERK1/2 MAP kinase-dependent mechanisms in type 2 diabetic mice. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H972-H980.	1.5	24
23	Differential role for stromal interacting molecule 1 in the regulation of vascular function. Pflugers Archiv European Journal of Physiology, 2015, 467, 1195-1202.	1.3	24
24	Sirtuin1 protects endothelial Caveolin-1 expression and preserves endothelial function via suppressing miR-204 and endoplasmic reticulum stress. Scientific Reports, 2017, 7, 42265.	1.6	21
25	Targeting Autophagy in Obesityâ€Associated Heart Disease. Obesity, 2019, 27, 1050-1058.	1.5	20
26	Chronic Escitalopram Treatment Induces Erectile Dysfunction by Decreasing Nitric Oxide Bioavailability Mediated by Increased Nicotinamide Adenine Dinucleotide Phosphate Oxidase Activity and Reactive Oxygen Species Production. Urology, 2013, 82, 1188.e1-1188.e7.	0.5	15
27	SUMO2 regulates vascular endothelial function and oxidative stress in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1292-H1300.	1.5	15
28	MiR-204 regulates type 1 IP3R to control vascular smooth muscle cell contractility and blood pressure. Cell Calcium, 2019, 80, 18-24.	1.1	14
29	Microbiota-governed microRNA-204 impairs endothelial function and blood pressure decline during inactivity in db/db mice. Scientific Reports, 2020, 10, 10065.	1.6	14
30	(Pro)renin Receptor-Dependent Induction of Profibrotic Factors Is Mediated by COX-2/EP4/NOX-4/Smad Pathway in Collecting Duct Cells. Frontiers in Pharmacology, 2019, 10, 803.	1.6	13
31	Augmented EGF receptor tyrosine kinase activity impairs vascular function by NADPH oxidase-dependent mechanism in type 2 diabetic mouse. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2404-2410.	1.9	12
32	Vasodilator responses to acetylcholine are not mediated by the activation of soluble guanylate cyclase or TRPV4 channels in the rat. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1495-H1506.	1.5	11
33	Renin-Angiotensin System Alterations in the Human Alzheimerâ€™s Disease Brain. Journal of Alzheimer's Disease, 2021, 84, 1473-1484.	1.2	8
34	Nuclear factor kappa B inhibition improves conductance artery function in type 2 diabetic mice. Diabetes/Metabolism Research and Reviews, 2015, 31, 39-49.	1.7	6
35	Pravastatin Improves Endothelial Function in Arteries Used in Coronary Bypass Grafting. Journal of Cardiovascular Pharmacology, 2013, 61, 513-519.	0.8	5
36	Î±-Ketoglutarate Upregulates Collecting Duct (Pro)renin Receptor Expression, Tubular Angiotensin II Formation, and Na+ Reabsorption During High Glucose Conditions. Frontiers in Cardiovascular Medicine, 2021, 8, 644797.	1.1	4

#	Article	IF	Citations
37	Endoplasmic Reticulum Stress and Microvascular Endothelial Dysfunction in Diabetes. Journal of Diabetes & Metabolism, 2011, 02, .	0.2	4
38	OS 02-02 microRNA-204 AND SIRTUIN1 REGULATE VASCULAR ENDOPLASMIC RETICULUM STRESS AND ENDOTHELIUM-DEPENDENT VASORELAXATION.. Journal of Hypertension, 2016, 34, e48.	0.3	1
39	Hypothalamic miR-204 Induces Alteration of Heart Electrophysiology and Neurogenic Hypertension by Regulating the Sympathetic Nerve Activity: Potential Role of Microbiota. Cureus, 2021, 13, e18783.	0.2	1
40	The microsomal triglyceride transfer protein inhibitor lomitapide improves vascular function in mice with obesity. Obesity, 2022, 30, 893-901.	1.5	1
41	PARPâ€1 inhibition improves coronary arteriole function in type 2 diabetic mice. FASEB Journal, 2011, 25, 1025.9.	0.2	0
42	ER stress induction increases NADPH oxidase and reduces eNOS activity in endothelial cells. FASEB Journal, 2012, 26, 863.11.	0.2	0
43	Nuclear Factor kappa B (NFkB) Inhibition Improves Vascular Function in Type 2 Diabetic Mice. FASEB Journal, 2012, 26, .	0.2	0
44	Gut Microbiota Regulates the Sympathetic Nerve Activity and Peripheral Serotonin Through Hypothalamic MicroRNA-204 in Order to Increase the Browning of White Adipose Tissue in Obesity. Cureus, 2022, 14, e21913.	0.2	0