

Asad Zeidan

List of Publications by Year in descending order

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61
papers

2,014
citations

218381

26
h-index

253896

43
g-index

61
all docs

61
docs citations

61
times ranked

2873
citing authors

#	ARTICLE	IF	CITATIONS
1	Leptin Induces Vascular Smooth Muscle Cell Hypertrophy through Angiotensin II- and Endothelin-1-Dependent Mechanisms and Mediates Stretch-Induced Hypertrophy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1075-1084.	1.3	99
2	Signalling mechanisms underlying the metabolic and other effects of adipokines on the heart. <i>Cardiovascular Research</i> , 2008, 79, 279-286.	1.8	99
3	Essential role of Rho/ROCK-dependent processes and actin dynamics in mediating leptin-induced hypertrophy in rat neonatal ventricular myocytes. <i>Cardiovascular Research</i> , 2006, 72, 101-111.	1.8	86
4	Expression of mitochondrial fusion/fission proteins during post-infarction remodeling: the effect of NHE-1 inhibition. <i>Basic Research in Cardiology</i> , 2011, 106, 99-109.	2.5	85
5	Leptin-induced cardiomyocyte hypertrophy involves selective caveolae and RhoA/ROCK-dependent p38 MAPK translocation to nuclei. <i>Cardiovascular Research</i> , 2007, 77, 64-72.	1.8	84
6	Stretch-induced contractile differentiation of vascular smooth muscle: sensitivity to actin polymerization inhibitors. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C1387-C1396.	2.1	83
7	Endoplasmic Reticulum Stress: A Critical Molecular Driver of Endothelial Dysfunction and Cardiovascular Disturbances Associated with Diabetes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1658.	1.8	83
8	NHE-1 inhibition-induced cardioprotection against ischaemia/reperfusion is associated with attenuation of the mitochondrial permeability transition. <i>Cardiovascular Research</i> , 2007, 77, 416-424.	1.8	81
9	Cyclophilin A Promotes Cardiac Hypertrophy in Apolipoprotein E-deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1116-1123.	1.1	76
10	The Role of Protein Tyrosine Phosphatase (PTP)-1B in Cardiovascular Disease and Its Interplay with Insulin Resistance. <i>Biomolecules</i> , 2019, 9, 286.	1.8	73
11	Emerging importance of chemokine receptor CXCR3 and its ligands in cardiovascular diseases. <i>Clinical Science</i> , 2016, 130, 463-478.	1.8	67
12	Antihypertrophic Effect of Na ⁺ /H ⁺ Exchanger Isoform 1 Inhibition Is Mediated by Reduced Mitogen-Activated Protein Kinase Activation Secondary to Improved Mitochondrial Integrity and Decreased Generation of Mitochondrial-Derived Reactive Oxygen Species. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1036-1043.	1.3	63
13	Ginseng Inhibits Cardiomyocyte Hypertrophy and Heart Failure via NHE-1 Inhibition and Attenuation of Calcineurin Activation. <i>Circulation: Heart Failure</i> , 2011, 4, 79-88.	1.6	61
14	Cholesterol Dependence of Vascular ERK1/2 Activation and Growth in Response to Stretch. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 1528-1534.	1.1	59
15	Leptin as a Cardiac Hypertrophic Factor: A Potential Target for Therapeutics. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 206-211.	2.3	58
16	Anti-hypertrophic effect of NHE-1 inhibition involves GSK-3 β -dependent attenuation of mitochondrial dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 998-1007.	0.9	57
17	A neutralizing leptin receptor antibody mitigates hypertrophy and hemodynamic dysfunction in the postinfarcted rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H441-H446.	1.5	48
18	Ablation of SM22 α decreases contractility and actin contents of mouse vascular smooth muscle. <i>FEBS Letters</i> , 2004, 562, 141-146.	1.3	47

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19	Adiponectin Attenuates Angiotensin II-Induced Vascular Smooth Muscle Cell Remodeling through Nitric Oxide and the RhoA/ROCK Pathway. <i>Frontiers in Pharmacology</i> , 2016, 7, 86.	1.6	46
20	Actin Cytoskeleton Dynamics Promotes Leptin-Induced Vascular Smooth Muscle Hypertrophy via RhoA/ROCK- and Phosphatidylinositol 3-Kinase/Protein Kinase B-Dependent Pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 1110-1116.	1.3	42
21	Cigarette Smoking-Induced Cardiac Hypertrophy, Vascular Inflammation and Injury Are Attenuated by Antioxidant Supplementation in an Animal Model. <i>Frontiers in Pharmacology</i> , 2016, 7, 397.	1.6	41
22	NHE-1 inhibition improves cardiac mitochondrial function through regulation of mitochondrial biogenesis during postinfarction remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1722-H1730.	1.5	40
23	mTOR mediates RhoA-dependent leptin-induced cardiomyocyte hypertrophy. <i>Molecular and Cellular Biochemistry</i> , 2011, 352, 99-108.	1.4	40
24	Nitric oxide inhibits endothelin-1-induced neonatal cardiomyocyte hypertrophy via a RhoA-ROCK-dependent pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 810-818.	0.9	35
25	Advances in Cardiovascular Biomarker Discovery. <i>Biomedicines</i> , 2020, 8, 552.	1.4	31
26	ROS mediates interferon gamma induced phosphorylation of Src, through the Raf/ERK pathway, in MCF-7 human breast cancer cell line. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 57-67.	1.8	29
27	A novel chimeric natriuretic peptide reduces cardiomyocyte hypertrophy through the NHE-1-calcineurin pathway. <i>Cardiovascular Research</i> , 2010, 88, 434-442.	1.8	26
28	BCL-2 Inhibitor Venetoclax Induces Autophagy-Associated Cell Death, Cell Cycle Arrest, and Apoptosis in Human Breast Cancer Cells. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 13357-13370.	1.0	25
29	Mechanical stretch-induced vascular hypertrophy occurs through modulation of leptin synthesis-mediated ROS formation and GATA-4 nuclear translocation. <i>Frontiers in Pharmacology</i> , 2015, 6, 240.	1.6	24
30	Characterization and assessment of potential microRNAs involved in phosphate-induced aortic calcification. <i>Journal of Cellular Physiology</i> , 2018, 233, 4056-4067.	2.0	24
31	EGFR Inhibitor Gefitinib Induces Cardiotoxicity through the Modulation of Cardiac PTEN/Akt/FoxO3a Pathway and Reactive Metabolites Formation: <i>In Vivo</i> and <i>In Vitro</i> Rat Studies. <i>Chemical Research in Toxicology</i> , 2020, 33, 1719-1728.	1.7	22
32	Myocardial proteases and cardiac remodeling. <i>Journal of Cellular Physiology</i> , 2017, 232, 3244-3250.	2.0	21
33	Epigenetic Regulation of Cancer Stem Cells by the Aryl Hydrocarbon Receptor Pathway. <i>Seminars in Cancer Biology</i> , 2022, 83, 177-196.	4.3	21
34	Prevention of RhoA activation and cofilin-mediated actin polymerization mediates the antihypertrophic effect of adenosine receptor agonists in angiotensin II- and endothelin-1-treated cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , 2014, 385, 239-248.	1.4	19
35	Between Inflammation and Autophagy: The Role of Leptin-Adiponectin Axis in Cardiac Remodeling. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 5349-5365.	1.6	19
36	Ginseng (<i>Panax quinquefolius</i>) Attenuates Leptin-Induced Cardiac Hypertrophy through Inhibition of p115Rho Guanine Nucleotide Exchange Factor-RhoA/Rho-Associated, Coiled-Coil Containing Protein Kinase-Dependent Mitogen-Activated Protein Kinase Pathway Activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 746-756.	1.3	18

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37	Nanotheragnostic Applications for Ischemic and Hemorrhagic Strokes: Improved Delivery for a Better Prognosis. <i>Current Neurology and Neuroscience Reports</i> , 2015, 15, 505.	2.0	17
38	Activation of K _v 7 channels with the anticonvulsant retigabine alleviates neuropathic pain behaviour in the streptozotocin rat model of diabetic neuropathy. <i>Journal of Drug Targeting</i> , 2019, 27, 1118-1126.	2.1	17
39	Calcineurin/NFAT Activation-Dependence of Leptin Synthesis and Vascular Growth in Response to Mechanical Stretch. <i>Frontiers in Physiology</i> , 2016, 7, 433.	1.3	15
40	Signaling pathways activated by PACAP in MCF-7 breast cancer cells. <i>Cellular Signalling</i> , 2018, 50, 37-47.	1.7	15
41	Cutaneous A δ -Non-nociceptive, but Not C-Nociceptive, Dorsal Root Ganglion Neurons Exhibit Spontaneous Activity in the Streptozotocin Rat Model of Painful Diabetic Neuropathy in vivo. <i>Frontiers in Neuroscience</i> , 2020, 14, 530.	1.4	14
42	Interplay between Endoplasmic Reticulum Stress and Large Extracellular Vesicles (Microparticles) in Endothelial Cell Dysfunction. <i>Biomedicines</i> , 2020, 8, 409.	1.4	13
43	Endoplasmic Reticulum (ER) Stress-Generated Extracellular Vesicles (Microparticles) Self-Perpetuate ER Stress and Mediate Endothelial Cell Dysfunction Independently of Cell Survival. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 584791.	1.1	13
44	Leptin and Vascular Smooth Muscle. <i>Current Vascular Pharmacology</i> , 2006, 4, 383-393.	0.8	10
45	Neuroproteomics and microRNAs studies in multiple sclerosis: transforming research and clinical knowledge in biomarker research. <i>Expert Review of Proteomics</i> , 2015, 12, 637-650.	1.3	10
46	Acute Exposure to Cigarette Smoking Followed by Myocardial Infarction Aggravates Renal Damage in an <i>In Vivo</i> Mouse Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13.	1.9	9
47	Water-pipe smoking promotes epithelial \rightarrow mesenchymal transition and invasion of human breast cancer cells via ERK1/ERK2 pathways. <i>Cancer Cell International</i> , 2018, 18, 180.	1.8	9
48	Molecular Mechanisms of Adiponectin-Induced Attenuation of Mechanical Stretch-Mediated Vascular Remodeling. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-15.	1.9	9
49	Sestrin2 suppression aggravates oxidative stress and apoptosis in endothelial cells subjected to pharmacologically induced endoplasmic reticulum stress. <i>European Journal of Pharmacology</i> , 2021, 907, 174247.	1.7	8
50	The ability of phosphodiesterase-5 inhibitors sildenafil and ordonafil to reverse α -NAME induced cardiac hypertrophy in the rabbit: possible role of calcineurin and p38. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 1247-1255.	0.7	5
51	Assessment of Basilar Artery Reactivity in Stroke and Subarachnoid Hemorrhage Using Wire Myograph. <i>Methods in Molecular Biology</i> , 2016, 1462, 625-643.	0.4	4
52	Changes in expression of Kv7.5 and Kv7.2 channels in dorsal root ganglion neurons in the streptozotocin rat model of painful diabetic neuropathy. <i>Neuroscience Letters</i> , 2020, 736, 135277.	1.0	3
53	Protein tyrosine phosphatase 1B inhibition improves endoplasmic reticulum stress \rightarrow impaired endothelial cell angiogenic response: A critical role for cell survival. <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	3
54	An aortic arch flow loop for the study of hemodynamic-induced endothelial cell injury and inflammation. , 2014, , .		2

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55	L5 Spinal Nerve Axotomy Induces Distinct Electrophysiological Changes in Axotomized L5- and Adjacent L4-Dorsal Root Ganglion Neurons in Rats In Vivo. <i>Journal of Neurotrauma</i> , 2021, 38, 330-341.	1.7	2
56	Enteric pathogens modulate metabolic homeostasis in the <i>Drosophila melanogaster</i> host. <i>Microbes and Infection</i> , 2022, 24, 104946.	1.0	2
57	Leptin Signaling in the Cardiovascular System. , 2008, , 377-395.		1
58	Involvement of caveolae in hyperglycemia-induced changes in adiponectin and leptin expressions in vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , 2022, 919, 174701.	1.7	1
59	Role of Rho-mediated processes and intact actin cytoskeleton in leptin induced cardiomyocytes hypertrophy. <i>FASEB Journal</i> , 2006, 20, A691.	0.2	0
60	RhoA links PI3K/Akt/mTOR signaling to p38 MAPK/GATA-4 activation in leptin-induced cardiomyocyte hypertrophy. <i>FASEB Journal</i> , 2009, 23, 577.7.	0.2	0
61	Essential role of calcineurin/NFAT and ROS in mediating mechanical stretch-induced leptin synthesis and vascular smooth muscle remodeling. <i>FASEB Journal</i> , 2013, 27, 922.8.	0.2	0