

Asad Zeidan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

1,563
citations

25
h-index

38
g-index

61
ext. papers

1,786
ext. citations

5.5
avg, IF

4.5
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 60 | 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, 1075-84 | 4.7 | 85 |
| 59 | Signalling mechanisms underlying the metabolic and other effects of adipokines on the heart. <i>Cardiovascular Research</i> , 2008 , 79, 279-86 | 9.9 | 83 |
| 58 | Stretch-induced contractile differentiation of vascular smooth muscle: sensitivity to actin polymerization inhibitors. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C1387-96 | 5.4 | 79 |
| 57 | 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, 101-11 | 9.9 | 76 |
| 56 | NHE-1 inhibition-induced cardioprotection against ischaemia/reperfusion is associated with attenuation of the mitochondrial permeability transition. <i>Cardiovascular Research</i> , 2008 , 77, 416-24 | 9.9 | 73 |
| 55 | Leptin-induced cardiomyocyte hypertrophy involves selective caveolae and RhoA/ROCK-dependent p38 MAPK translocation to nuclei. <i>Cardiovascular Research</i> , 2008 , 77, 64-72 | 9.9 | 72 |
| 54 | 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 | 11.8 | 68 |
| 53 | Cyclophilin A promotes cardiac hypertrophy in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1116-23 | 9.4 | 66 |
| 52 | 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> , 2004 , 317, 1026-33 | 4.7 | 57 |
| 51 | Cholesterol dependence of vascular ERK1/2 activation and growth in response to stretch: role of endothelin-1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 1528-34 | 9.4 | 56 |
| 50 | 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, | 6.3 | 55 |
| 49 | Anti-hypertrophic effect of NHE-1 inhibition involves GSK-3beta-dependent attenuation of mitochondrial dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 998-1007 | 5.8 | 52 |
| 48 | 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 | 7.6 | 51 |
| 47 | Leptin as a cardiac hypertrophic factor: a potential target for therapeutics. <i>Trends in Cardiovascular Medicine</i> , 2007 , 17, 206-11 | 6.9 | 49 |
| 46 | The Role of Protein Tyrosine Phosphatase (PTP)-1B in Cardiovascular Disease and Its Interplay with Insulin Resistance. <i>Biomolecules</i> , 2019 , 9, | 5.9 | 43 |
| 45 | 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, H441-6 | 5.2 | 43 |
| 44 | Emerging importance of chemokine receptor CXCR3 and its ligands in cardiovascular diseases. <i>Clinical Science</i> , 2016 , 130, 463-78 | 6.5 | 42 |

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| 43 | Ablation of SM22alpha decreases contractility and actin contents of mouse vascular smooth muscle. <i>FEBS Letters</i> , 2004 , 562, 141-6 | 3.8 | 41 |
| 42 | 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, 1110-6 | 4.7 | 39 |
| 41 | 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 | 5.6 | 35 |
| 40 | 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, H1722-30 | 5.2 | 34 |
| 39 | mTOR mediates RhoA-dependent leptin-induced cardiomyocyte hypertrophy. <i>Molecular and Cellular Biochemistry</i> , 2011 , 352, 99-108 | 4.2 | 31 |
| 38 | 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, 810-8 | 5.8 | 30 |
| 37 | 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 | 5.6 | 27 |
| 36 | A novel chimeric natriuretic peptide reduces cardiomyocyte hypertrophy through the NHE-1-calcineurin pathway. <i>Cardiovascular Research</i> , 2010 , 88, 434-42 | 9.9 | 25 |
| 35 | 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 | 5.2 | 22 |
| 34 | 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 | 5.6 | 20 |
| 33 | Characterization and assessment of potential microRNAs involved in phosphate-induced aortic calcification. <i>Journal of Cellular Physiology</i> , 2018 , 233, 4056-4067 | 7 | 17 |
| 32 | Myocardial proteases and cardiac remodeling. <i>Journal of Cellular Physiology</i> , 2017 , 232, 3244-3250 | 7 | 16 |
| 31 | 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, 239-48 | 4.2 | 16 |
| 30 | 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, 746-56 | 4.7 | 15 |
| 29 | 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 , 13, 13357-13370 | 4.4 | 13 |
| 28 | Advances in Cardiovascular Biomarker Discovery. <i>Biomedicines</i> , 2020 , 8, | 4.8 | 11 |
| 27 | Calcineurin/NFAT Activation-Dependence of Leptin Synthesis and Vascular Growth in Response to Mechanical Stretch. <i>Frontiers in Physiology</i> , 2016 , 7, 433 | 4.6 | 11 |
| 26 | Nanotheragnostic applications for ischemic and hemorrhagic strokes: improved delivery for a better prognosis. <i>Current Neurology and Neuroscience Reports</i> , 2015 , 15, 505 | 6.6 | 10 |

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| 25 | Leptin and vascular smooth muscle. <i>Current Vascular Pharmacology</i> , 2006 , 4, 383-93 | 3.3 | 9 |
| 24 | Activation of K7 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 | 5.4 | 8 |
| 23 | Cutaneous Aδ Non-nociceptive, but Not C-Nociceptive, Dorsal Root Ganglion Neurons Exhibit Spontaneous Activity in the Streptozotocin Rat Model of Painful Diabetic Neuropathy. <i>Frontiers in Neuroscience</i> , 2020 , 14, 530 | 5.1 | 8 |
| 22 | Signaling pathways activated by PACAP in MCF-7 breast cancer cells. <i>Cellular Signalling</i> , 2018 , 50, 37-47 | 4.9 | 8 |
| 21 | EGFR Inhibitor Gefitinib Induces Cardiotoxicity through the Modulation of Cardiac PTEN/Akt/FoxO3a Pathway and Reactive Metabolites Formation: and Rat Studies. <i>Chemical Research in Toxicology</i> , 2020 , 33, 1719-1728 | 4 | 7 |
| 20 | Acute Exposure to Cigarette Smoking Followed by Myocardial Infarction Aggravates Renal Damage in an Mouse Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5135241 | 6.7 | 7 |
| 19 | Molecular Mechanisms of Adiponectin-Induced Attenuation of Mechanical Stretch-Mediated Vascular Remodeling. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 6425782 | 6.7 | 6 |
| 18 | Epigenetic Regulation of Cancer Stem Cells by the Aryl Hydrocarbon Receptor Pathway. <i>Seminars in Cancer Biology</i> , 2020 , | 12.7 | 6 |
| 17 | Water-pipe smoking promotes epithelial-mesenchymal transition and invasion of human breast cancer cells via ERK1/ERK2 pathways. <i>Cancer Cell International</i> , 2018 , 18, 180 | 6.4 | 6 |
| 16 | Neuroproteomics and microRNAs studies in multiple sclerosis: transforming research and clinical knowledge in biomarker research. <i>Expert Review of Proteomics</i> , 2015 , 12, 637-50 | 4.2 | 5 |
| 15 | 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 | 5.4 | 5 |
| 14 | The ability of phosphodiesterase-5 inhibitors sildenafil and ordonafil to reverse L-NAME induced cardiac hypertrophy in the rabbit: possible role of calcineurin and p38. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012 , 90, 1247-55 | 2.4 | 5 |
| 13 | Assessment of Basilar Artery Reactivity in Stroke and Subarachnoid Hemorrhage Using Wire Myograph. <i>Methods in Molecular Biology</i> , 2016 , 1462, 625-43 | 1.4 | 4 |
| 12 | Between Inflammation and Autophagy: The Role of Leptin-Adiponectin Axis in Cardiac Remodeling. <i>Journal of Inflammation Research</i> , 2021 , 14, 5349-5365 | 4.8 | 4 |
| 11 | Interplay between Endoplasmic Reticulum Stress and Large Extracellular Vesicles (Microparticles) in Endothelial Cell Dysfunction. <i>Biomedicines</i> , 2020 , 8, | 4.8 | 4 |
| 10 | 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 | 5.3 | 3 |
| 9 | An aortic arch flow loop for the study of hemodynamic-induced endothelial cell injury and inflammation 2014 , | | 2 |
| 8 | 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 | 3.3 | 1 |

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| 7 | L5 Spinal Nerve Axotomy Induces Distinct Electrophysiological Changes in Axotomized L5- and Adjacent L4-Dorsal Root Ganglion Neurons in Rats. <i>Journal of Neurotrauma</i> , 2021 , 38, 330-341 | 5.4 | 1 |
| 6 | Leptin Signaling in the Cardiovascular System 2008 , 377-395 | | 1 |
| 5 | Enteric Pathogens Modulate Metabolic Homeostasis in the <i>Drosophila melanogaster</i> host.. <i>Microbes and Infection</i> , 2022 , 104946 | 9.3 | |
| 4 | Role of Rho-mediated processes and intact actin cytoskeleton in leptin induced cardiomyocytes hypertrophy. <i>FASEB Journal</i> , 2006 , 20, A691 | 0.9 | |
| 3 | 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 | 0.9 | |
| 2 | 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 | 0.9 | |
| 1 | Involvement of caveolae in hyperglycemia-induced changes in adiponectin and leptin expressions in vascular smooth muscle cells.. <i>European Journal of Pharmacology</i> , 2021 , 174701 | 5.3 | |