Lahouaria Hadri

List of Publications by Year
in descending order

70 papers	2,844 citations	218677 26 h-index	182427 51 g-index
71 all docs	71 docs citations	71 times ranked	4050 citing authors

#	Article	IF	Citations
1	Endothelial to mesenchymal transition is common in atherosclerotic lesions and is associated with plaque instability. Nature Communications, 2016, 7, 11853.	12.8	406
2	Reversal of Cardiac Dysfunction After Long-Term Expression of SERCA2a by Gene Transfer in a Pre-Clinical Model of Heart Failure. Journal of the American College of Cardiology, 2008, 51, 1112-1119.	2.8	295
3	Long-Term Cardiac-Targeted RNA Interference for the Treatment of Heart Failure Restores Cardiac Function and Reduces Pathological Hypertrophy. Circulation, 2009, 119, 1241-1252.	1.6	200
4	Sarcoplasmic reticulum Ca²⁺ATPase as a therapeutic target for heart failure. Expert Opinion on Biological Therapy, 2010, 10, 29-41.	3.1	146
5	Critical Role for Stromal Interaction Molecule 1 in Cardiac Hypertrophy. Circulation, 2011, 124, 796-805.	1.6	144
6	Therapeutic Efficacy of AAV1.SERCA2a in Monocrotaline-Induced Pulmonary Arterial Hypertension. Circulation, 2013, 128, 512-523.	1.6	97
7	Sarco/Endoplasmic Reticulum Ca 2+ -ATPase Gene Transfer Reduces Vascular Smooth Muscle Cell Proliferation and Neointima Formation in the Rat. Circulation Research, 2005, 97, 488-495.	4.5	93
8	Delayed erythropoietin therapy reduces post-MI cardiac remodeling only at a dose that mobilizes endothelial progenitor cells. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H522-H529.	3.2	85
9	Characterization of right ventricular remodeling and failure in a chronic pulmonary hypertension model. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1204-H1215.	3.2	82
10	Long-term in vivo resistin overexpression induces myocardial dysfunction and remodeling in rats. Journal of Molecular and Cellular Cardiology, 2011, 51, 144-155.	1.9	70
11	AAV9.I-1c Delivered via Direct Coronary Infusion in a Porcine Model of Heart Failure Improves Contractility and Mitigates Adverse Remodeling. Circulation: Heart Failure, 2013, 6, 310-317.	3.9	64
12	Intratracheal Gene Delivery of SERCA2a Ameliorates Chronic Post-Capillary Pulmonary Hypertension. Journal of the American College of Cardiology, 2016, 67, 2032-2046.	2.8	62
13	SERCA2a Gene Transfer Enhances eNOS Expression and Activity in Endothelial Cells. Molecular Therapy, 2010, 18, 1284-1292.	8.2	61
14	SERCA2a controls the mode of agonist-induced intracellular Ca2+ signal, transcription factor NFAT and proliferation in human vascular smooth muscle cells. Journal of Molecular and Cellular Cardiology, 2011, 50, 621-633.	1.9	55
15	Delivery of gelfoam-enabled cells and vectors into the pericardial space using a percutaneous approach in a porcine model. Gene Therapy, 2011, 18, 979-985.	4.5	54
16	Current and emerging therapeutic approaches to pulmonary hypertension. Reviews in Cardiovascular Medicine, 2020, 21, 163.	1.4	51
17	Myocyte-Depleted Engineered Cardiac Tissues Support Therapeutic Potential of Mesenchymal Stem Cells. Tissue Engineering - Part A, 2012, 18, 1322-1333.	3.1	48
18	SDF-1 induces TNF-mediated apoptosis in cardiac myocytes. Apoptosis: an International Journal on Programmed Cell Death, 2018, 23, 79-91.	4.9	47

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19	Mechanoelectrical remodeling and arrhythmias during progression of hypertrophy. FASEB Journal, 2010, 24, 451-463.	0.5	41
20	Regulation of the Methylation and Expression Levels of the BMPR2 Gene by SIN3a as a Novel Therapeutic Mechanism in Pulmonary Arterial Hypertension. Circulation, 2021, 144, 52-73.	1.6	38
21	KChIP2 attenuates cardiac hypertrophy through regulation of Ito and intracellular calcium signaling. Journal of Molecular and Cellular Cardiology, 2010, 48, 1169-1179.	1.9	37
22	Calcium Cycling Proteins and Their Association With Heart Failure. Clinical Pharmacology and Therapeutics, 2011, 90, 620-624.	4.7	34
23	Concomitant Intravenous Nitroglycerin With Intracoronary Delivery of AAV1.SERCA2a Enhances Gene Transfer in Porcine Hearts. Molecular Therapy, 2012, 20, 565-571.	8.2	34
24	Transcription of the sarcoplasmic/endoplasmic reticulum Ca2+-ATPase typeÂ3 gene, ATP2A3, is regulated by the calcineurin/NFAT pathway in endothelial cells. Biochemical Journal, 2006, 394, 27-33.	3.7	30
25	Gene Remodeling in Type 2 Diabetic Cardiomyopathy and Its Phenotypic Rescue with SERCA2a. PLoS ONE, 2009, 4, e6474.	2.5	29
26	Aortic Implantation of Mesenchymal Stem Cells after Aneurysm Injury in a Porcine Model. Journal of Surgical Research, 2011, 170, e179-e188.	1.6	27
27	Deletion of CXCR4 in cardiomyocytes exacerbates cardiac dysfunction following isoproterenol administration. Gene Therapy, 2014, 21, 496-506.	4.5	25
28	Basal Transcription of the Mouse Sarco(endo)plasmic Reticulum Ca2+-ATPase Type 3 Gene in Endothelial Cells Is Controlled by Ets-1 and Sp1. Journal of Biological Chemistry, 2002, 277, 36471-36478.	3.4	23
29	Pulmonary Artery Hypertension Model in Rats by Monocrotaline Administration. Methods in Molecular Biology, 2018, 1816, 233-241.	0.9	23
30	Intra-tracheal gene delivery of aerosolized SERCA2a to the lung suppresses ventricular arrhythmias in a model of pulmonary arterial hypertension. Journal of Molecular and Cellular Cardiology, 2019, 127, 20-30.	1.9	23
31	AAV1.SERCA2a Gene Therapy Reverses Pulmonary Fibrosis by Blocking the STAT3/FOXM1 Pathway and Promoting the SNON/SKI Axis. Molecular Therapy, 2020, 28, 394-410.	8.2	23
32	Cellâ€Free Mitochondrial DNA as a Potential Biomarker for Astronauts' Health. Journal of the American Heart Association, 2021, 10, e022055.	3.7	22
33	CXCR4 Cardiac Specific Knockout Mice Develop a Progressive Cardiomyopathy. International Journal of Molecular Sciences, 2019, 20, 2267.	4.1	21
34	Targeting epigenetic mechanisms as an emerging therapeutic strategy in pulmonary hypertension disease. Vascular Biology (Bristol, England), 2020, 2, R17-R34.	3.2	21
35	Efficient transduction of vascular smooth muscle cells with a translational AAV2.5 vector: a new perspective for in-stent restenosis gene therapy. Gene Therapy, 2013, 20, 901-912.	4.5	20
36	Synergistic Role of Protein Phosphatase Inhibitor 1 and Sarco/Endoplasmic Reticulum Ca ²⁺ -ATPase in the Acquisition of the Contractile Phenotype of Arterial Smooth Muscle Cells. Circulation, 2014, 129, 773-785.	1.6	20

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37	CXCR4 and CXCR7 play distinct roles in cardiac lineage specification and pharmacologic Î²-adrenergic response. Stem Cell Research, 2017, 23, 77-86.	0.7	20
38	Benefit of SERCA2a Gene Transfer to Vascular Endothelial and Smooth Muscle Cells: A New Aspect in Therapy of Cardiovascular Diseases. Current Vascular Pharmacology, 2013, 11, 465-479.	1.7	20
39	SERCA2a gene transfer prevents intimal proliferation in an organ culture of human internal mammary artery. Gene Therapy, 2013, 20, 396-406.	4.5	18
40	Safety and longâ€term efficacy of AAV1.SERCA2a using nebulizer delivery in a pig model of pulmonary hypertension. Pulmonary Circulation, 2018, 8, 1-4.	1.7	18
41	Comorbidities, sequelae, blood biomarkers and their associated clinical outcomes in the Mount Sinai Health System COVID-19 patients. PLoS ONE, 2021, 16, e0253660.	2.5	18
42	The Sugen 5416/Hypoxia Mouse Model of Pulmonary Arterial Hypertension. Methods in Molecular Biology, 2018, 1816, 243-252.	0.9	17
43	A calcium-sensitive promoter construct for gene therapy. Gene Therapy, 2013, 20, 248-254.	4.5	15
44	A novel secreted-cAMP pathway inhibits pulmonary hypertension via a feed-forward mechanism. Cardiovascular Research, 2020, 116, 1500-1513.	3.8	15
45	Combination Proximal Pulmonary Artery Coiling and Distal Embolization Induces Chronic Elevations in Pulmonary Artery Pressure in Swine. PLoS ONE, 2015, 10, e0124526.	2.5	15
46	Pathophysiology and pharmacological management of pulmonary and cardiovascular features of COVID-19. Journal of Molecular and Cellular Cardiology, 2021, 153, 72-85.	1.9	12
47	Molecular and Genetic Profiling for Precision Medicines in Pulmonary Arterial Hypertension. Cells, 2021, 10, 638.	4.1	11
48	The Left Pneumonectomy Combined with Monocrotaline or Sugen as a Model of Pulmonary Hypertension in Rats. Journal of Visualized Experiments, 2019, , .	0.3	10
49	Retrospective analysis of demographic factors in COVID-19 patients entering the Mount Sinai Health System. PLoS ONE, 2021, 16, e0254707.	2.5	10
50	Combination Therapy with STAT3 Inhibitor Enhances SERCA2a-Induced BMPR2 Expression and Inhibits Pulmonary Arterial Hypertension. International Journal of Molecular Sciences, 2021, 22, 9105.	4.1	10
51	Novel Insights into the Therapeutic Potential of Lung-Targeted Gene Transfer in the Most Common Respiratory Diseases. Cells, 2022, 11, 984.	4.1	10
52	Long-Term Effects of Very Low Dose Particle Radiation on Gene Expression in the Heart: Degenerative Disease Risks. Cells, 2021, 10, 387.	4.1	9
53	Right predominant electrical remodeling in a pure model of pulmonary hypertension promotes reentrant arrhythmias. Heart Rhythm, 2022, 19, 113-124.	0.7	8
54	Inhaled Gene Transfer for Pulmonary Circulation. Methods in Molecular Biology, 2017, 1521, 339-349.	0.9	7

#	Article	IF	Citations
55	Emerging Role of Exosomal Long Non-coding RNAs in Spaceflight-Associated Risks in Astronauts. Frontiers in Genetics, 2021, 12, 812188.	2.3	7
56	Pulmonary hypertension arising from left heart disease causes intrapulmonary venous arterialization in rats. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 281-282.	0.8	6
57	Space flight associated changes in astronautsâ€™ plasmaâ€derived small extracellular vesicle microRNA: Biomarker identification. Clinical and Translational Medicine, 2022, 12, .	4.0	6
58	Inhalable delivery of AAV-based MRP4/ABCC4 silencing RNA prevents monocrotaline-induced pulmonary hypertension. Molecular Therapy - Methods and Clinical Development, 2015, 2, 14065.	4.1	5
59	Direct measurement of left atrial and pulmonary artery pressure in rats with pulmonary hypertension. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1161-1163.	0.8	4
60	Spaceflight-Associated Changes of snoRNAs in Peripheral Blood Mononuclear Cells and Plasma Exosomesâ€"A Pilot Study. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	4
61	Induction and Characterization of Pulmonary Hypertension in Mice using the Hypoxia/SU5416 Model. Journal of Visualized Experiments, 2020, , .	0.3	3
62	Lung-targeted SERCA2a Gene Therapy: From Discovery to Therapeutic Application in Bleomycin-Induced Pulmonary Fibrosis. Journal of Cellular Immunology, 2020, 2, 149-156.	0.8	2
63	Basal Ca2+ Entry Controls NFAT Transcriptional Activity, Proliferation And Migration Of Human Vascular Smooth Muscle Cells. Biophysical Journal, 2009, 96, 165a.	0.5	0
64	Mesenchymal Stem Cells Enhance Contractile Function of Myocyte-Depleted Engineered Cardiac Tissues. Journal of Cardiac Failure, 2010, 16, S11.	1.7	0
65	Expression of cardiac specific genes and functional testing of engineered cardiac tissues. FASEB Journal, 2011, 25, 1127.3.	0.5	0
66	The role of cAMP/PKA signaling enhancer Protein Phosphatase Inhibitor 1 (Iâ€1) in the control of Ca2+ cycling and signaling in VSMCs. FASEB Journal, 2012, 26, .	0.5	0
67	Abstract 277: Lung Gene Transfer With Sarcoplasmic Reticulum Calcium ATPase Prevent Disease Progression in Pulmonary Arterial Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	0
68	Abstract 510: Extracellular cAMP as a Novel Therapeutic Strategy in Pulmonary Arterial Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	0
69	Abstract 447: The Role of Extracellular cAMP in the Pathogenesis of Pulmonary Arterial Hypertension. Circulation Research, 2018, 123, .	4.5	0
70	Astronauts Plasma-Derived Exosomes Induced Aberrant EZH2-Mediated H3K27me3 Epigenetic Regulation of the Vitamin D Receptor. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	0