

Mahmood Khan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8823034/mahmood-khan-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

94
papers

3,082
citations

32
h-index

52
g-index

108
ext. papers

3,465
ext. citations

5.5
avg. IF

4.94
L-index

#	Paper	IF	Citations
94	Hypoxic preconditioning induces the expression of prosurvival and proangiogenic markers in mesenchymal stem cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C1562-70	5.4	152
93	Injectable, rapid gelling and highly flexible hydrogel composites as growth factor and cell carriers. <i>Acta Biomaterialia</i> , 2010 , 6, 1978-91	10.8	146
92	Myeloid-derived suppressor cell inhibition of the IFN response in tumor-bearing mice. <i>Cancer Research</i> , 2011 , 71, 5101-10	10.1	144
91	Selective inhibition of hypoxia-inducible factor 1 α ameliorates adipose tissue dysfunction. <i>Molecular and Cellular Biology</i> , 2013 , 33, 904-17	4.8	141
90	Granulocyte macrophage colony-stimulating factor inhibits breast cancer growth and metastasis by invoking an anti-angiogenic program in tumor-educated macrophages. <i>Cancer Research</i> , 2009 , 69, 2133-40	10.1	129
89	Pharmacological preconditioning of mesenchymal stem cells with trimetazidine (1-[2,3,4-trimethoxybenzyl]piperazine) protects hypoxic cells against oxidative stress and enhances recovery of myocardial function in infarcted heart through Bcl-2 expression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 543-50	4.7	110
88	Protective effect of Spirulina against doxorubicin-induced cardiotoxicity. <i>Phytotherapy Research</i> , 2005 , 19, 1030-7	6.7	102
87	Protection against cisplatin-induced nephrotoxicity by Spirulina in rats. <i>Cancer Chemotherapy and Pharmacology</i> , 2006 , 58, 802-8	3.5	99
86	Emerging role of oxidative stress in metabolic syndrome and cardiovascular diseases: important role of Rac/NADPH oxidase. <i>Journal of Pathology</i> , 2013 , 231, 290-300	9.4	84
85	C-phycoyanin protects against ischemia-reperfusion injury of heart through involvement of p38 MAPK and ERK signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 290, H2136-45	5.2	80
84	C-phycoyanin ameliorates doxorubicin-induced oxidative stress and apoptosis in adult rat cardiomyocytes. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 47, 9-20	3.1	70
83	Evaluation of Changes in Morphology and Function of Human Induced Pluripotent Stem Cell Derived Cardiomyocytes (HiPSC-CMs) Cultured on an Aligned-Nanofiber Cardiac Patch. <i>PLoS ONE</i> , 2015 , 10, e0126338	3.7	69
82	Stem cell therapy with overexpressed VEGF and PDGF genes improves cardiac function in a rat infarct model. <i>PLoS ONE</i> , 2009 , 4, e7325	3.7	68
81	Tetrahydrobiopterin depletion and NOS2 uncoupling contribute to heart failure-induced alterations in atrial electrophysiology. <i>Cardiovascular Research</i> , 2011 , 91, 71-9	9.9	62
80	pH-Sensitive and Thermosensitive Hydrogels as Stem-Cell Carriers for Cardiac Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10752-60	9.5	60
79	Chronic heart failure and the substrate for atrial fibrillation. <i>Cardiovascular Research</i> , 2009 , 84, 227-36	9.9	58
78	Spirulina attenuates cyclosporine-induced nephrotoxicity in rats. <i>Journal of Applied Toxicology</i> , 2006 , 26, 444-51	4.1	57

77	Role of oxygen in postischemic myocardial injury. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 1193-206	8.4	57
76	Trimetazidine, administered at the onset of reperfusion, ameliorates myocardial dysfunction and injury by activation of p38 mitogen-activated protein kinase and Akt signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 333, 421-9	4.7	51
75	Role of heat shock factor-1 activation in the doxorubicin-induced heart failure in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1832-41	5.2	48
74	Hyperbaric oxygenation enhances transplanted cell graft and functional recovery in the infarct heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 47, 275-87	5.8	48
73	MicroRNA-133a engineered mesenchymal stem cells augment cardiac function and cell survival in the infarct heart. <i>Journal of Cardiovascular Pharmacology</i> , 2015 , 65, 241-51	3.1	46
72	Stem cell transplantation as a therapy for cardiac fibrosis. <i>Journal of Pathology</i> , 2013 , 229, 347-54	9.4	45
71	Skeletal myoblasts transplanted in the ischemic myocardium enhance in situ oxygenation and recovery of contractile function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H2129-39	5.2	44
70	Comparison of human induced pluripotent stem-cell derived cardiomyocytes with human mesenchymal stem cells following acute myocardial infarction. <i>PLoS ONE</i> , 2014 , 9, e116281	3.7	43
69	Myocardial oxygenation and functional recovery in infarct rat hearts transplanted with mesenchymal stem cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1263-73	5.2	40
68	Oxygen-sensitive outcomes and gene expression in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1275-87	7.3	39
67	Sulfaphenazole protects heart against ischemia-reperfusion injury and cardiac dysfunction by overexpression of iNOS, leading to enhancement of nitric oxide bioavailability and tissue oxygenation. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 725-38	8.4	37
66	Amelioration of doxorubicin-induced cardiotoxicity by an anticancer-antioxidant dual-function compound, HO-3867. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 339, 350-7	4.7	37
65	Mesenchymal stem cells for cardiac regeneration: translation to bedside reality. <i>Stem Cells International</i> , 2012 , 2012, 646038	5	36
64	Intermittent hypoxia exacerbates pancreatic β cell dysfunction in a mouse model of diabetes mellitus. <i>Sleep</i> , 2013 , 36, 1849-58	1.1	33
63	Oxygen cycling in conjunction with stem cell transplantation induces NOS3 expression leading to attenuation of fibrosis and improved cardiac function. <i>Cardiovascular Research</i> , 2012 , 93, 89-99	9.9	32
62	Cardioprotective properties of <i>Crataegus oxyacantha</i> extract against ischemia-reperfusion injury. <i>Phytomedicine</i> , 2010 , 17, 744-52	6.5	31
61	Oxygenation inhibits ovarian tumor growth by downregulating STAT3 and cyclin-D1 expressions. <i>Cancer Biology and Therapy</i> , 2010 , 10, 386-90	4.6	30
60	Protective effect of CardiPro against doxorubicin-induced cardiotoxicity in mice. <i>Phytomedicine</i> , 2006 , 13, 222-9	6.5	30

59	Extracellular Vesicles Released by Human Induced-Pluripotent Stem Cell-Derived Cardiomyocytes Promote Angiogenesis. <i>Frontiers in Physiology</i> , 2018 , 9, 1794	4.6	30
58	Potential Role of Exosomes in Mending a Broken Heart: Nanoshuttles Propelling Future Clinical Therapeutics Forward. <i>Stem Cells International</i> , 2017 , 2017, 5785436	5	29
57	Cardioprotection by HO-4038, a novel verapamil derivative, targeted against ischemia and reperfusion-mediated acute myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H140-51	5.2	29
56	Cardioprotection by sulfaphenazole, a cytochrome p450 inhibitor: mitigation of ischemia-reperfusion injury by scavenging of reactive oxygen species. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 813-21	4.7	28
55	Attenuation of myocardial ischemia-reperfusion injury by trimetazidine derivatives functionalized with antioxidant properties. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 317, 921-8	4.7	27
54	Dysregulation of PTEN in cardiopulmonary vascular remodeling induced by pulmonary hypertension. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 363-72	3.2	25
53	Oxygen and oxygenation in stem-cell therapy for myocardial infarction. <i>Life Sciences</i> , 2010 , 87, 269-74	6.8	25
52	Cardiac Electrical and Structural Changes During Bacterial Infection: An Instructive Model to Study Cardiac Dysfunction in Sepsis. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	24
51	Noninvasive monitoring of small intestinal oxygen in a rat model of chronic mesenteric ischemia. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 451-9	3.2	24
50	Expression and Activation of BK Channels in Mice Protects Against Ischemia-Reperfusion Injury of Isolated Hearts by Modulating Mitochondrial Function. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 194	5.4	23
49	Carvedilol enhances mesenchymal stem cell therapy for myocardial infarction via inhibition of caspase-3 expression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 343, 62-71	4.7	22
48	Nanoparticle-Mediated Drug Delivery for Treatment of Ischemic Heart Disease. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 687	5.8	21
47	Pulmonary hypertension secondary to left-heart failure involves peroxynitrite-induced downregulation of PTEN in the lung. <i>Hypertension</i> , 2013 , 61, 593-601	8.5	21
46	p53's choice of myocardial death or survival: Oxygen protects infarct myocardium by recruiting p53 on NOS3 promoter through regulation of p53-Lys(118) acetylation. <i>EMBO Molecular Medicine</i> , 2013 , 5, 1662-83	12	21
45	Current research trends and challenges in tissue engineering for mending broken hearts. <i>Life Sciences</i> , 2019 , 229, 233-250	6.8	20
44	Structure-activity studies on the protection of Trimetazidine derivatives modified with nitroxides and their precursors from myocardial ischemia-reperfusion injury. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 5510-6	3.4	18
43	Measurement of oxygenation at the site of stem cell therapy in a murine model of myocardial infarction. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 614, 45-52	3.6	17
42	Assessment of temporal functional changes and miRNA profiling of human iPSC-derived cardiomyocytes. <i>Scientific Reports</i> , 2019 , 9, 13188	4.9	16

41	Labeling of skeletal myoblasts with a novel oxygen-sensing spin probe for noninvasive monitoring of in situ oxygenation and cell therapy in heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1254-61	5.2	16
40	Prevention of postischemic myocardial reperfusion injury by the combined treatment of NCX-4016 and Tempol. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 48, 79-87	3.1	16
39	Cardiac Biomarkers: What Is and What Can Be. <i>Indian Journal of Cardiovascular Disease in Women WINCARS</i> , 2018 , 3, 240-244	0.1	16
38	Extracellular Vesicles From Notch Activated Cardiac Mesenchymal Stem Cells Promote Myocyte Proliferation and Neovascularogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 11	5.7	15
37	Sustained Release of Basic Fibroblast Growth Factor (bFGF) Encapsulated Polycaprolactone (PCL) Microspheres Promote Angiogenesis In Vivo. <i>Nanomaterials</i> , 2019 , 9,	5.4	15
36	Rac-induced left ventricular dilation in thyroxin-treated ZmRacD transgenic mice: role of cardiomyocyte apoptosis and myocardial fibrosis. <i>PLoS ONE</i> , 2012 , 7, e42500	3.7	15
35	Crataegus oxycantha extract attenuates apoptotic incidence in myocardial ischemia-reperfusion injury by regulating Akt and HIF-1 signaling pathways. <i>Journal of Cardiovascular Pharmacology</i> , 2010 , 56, 526-31	3.1	14
34	Human Cardiac Progenitor Cells Enhance Exosome Release and Promote Angiogenesis Under Physoxia. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 130	5.7	13
33	Cardiac remodeling caused by transgenic overexpression of a corn Rac gene. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H868-80	5.2	13
32	Scalable Biomimetic Coaxial Aligned Nanofiber Cardiac Patch: A Potential Model for "Clinical Trials in a Dish". <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 567842	5.8	13
31	Dual-Specificity Phosphatase 4 Overexpression in Cells Prevents Hypoxia/Reoxygenation-Induced Apoptosis the Upregulation of eNOS. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 22	5.4	11
30	Myocardial Rac1 exhibits partial involvement in thyroxin-induced cardiomyocyte hypertrophy and its inhibition is not sufficient to improve cardiac dysfunction or contractile abnormalities in mouse papillary muscles. <i>Journal of Cardiovascular Pharmacology</i> , 2013 , 61, 536-44	3.1	11
29	MicroRNAs in cardiovascular disease. <i>F1000 Medicine Reports</i> , 2011 , 3, 10		11
28	N-hydroxy-pyrroline modification of verapamil exhibits antioxidant protection of the heart against ischemia/reperfusion-induced cardiac dysfunction without compromising its calcium antagonistic activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 119-27	4.7	9
27	Oxygen cycling to improve survival of stem cells for myocardial repair: A review. <i>Life Sciences</i> , 2016 , 153, 124-31	6.8	9
26	Effect of oxygenation on stem-cell therapy for myocardial infarction. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 701, 175-81	3.6	9
25	In situ differentiation of human-induced pluripotent stem cells into functional cardiomyocytes on a coaxial PCL-gelatin nanofibrous scaffold. <i>Materials Science and Engineering C</i> , 2021 , 118, 111354	8.3	8
24	Supplemental Oxygen Protects Heart Against Acute Myocardial Infarction. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 114	5.4	8

23	Electrospun Aligned Coaxial Nanofibrous Scaffold for Cardiac Repair. <i>Methods in Molecular Biology</i> , 2021 , 2193, 129-140	1.4	8
22	Nontuberculous mycobacterium <i>M. avium</i> infection predisposes aged mice to cardiac abnormalities and inflammation. <i>Aging Cell</i> , 2019 , 18, e12926	9.9	7
21	Sivelestat attenuates myocardial reperfusion injury during brief low flow postischemic infusion. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 279847	6.7	7
20	Extracellular Vesicles From Pathological Microenvironment Induce Endothelial Cell Transformation and Abnormal Angiogenesis via Modulation of TRPV4 Channels. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 344	5.7	7
19	MicroRNAs with Mega Functions in Cardiac Remodeling and Repair: The Micromanagement of Matters of the Heart 2015 , 569-600		6
18	Chloride channel blocker IAA-94 increases myocardial infarction by reducing calcium retention capacity of the cardiac mitochondria. <i>Life Sciences</i> , 2019 , 235, 116841	6.8	6
17	Arterial levels of oxygen stimulate intimal hyperplasia in human saphenous veins via a ROS-dependent mechanism. <i>PLoS ONE</i> , 2015 , 10, e0120301	3.7	6
16	Mouse embryonic stem cell-derived cardiomyocytes cease to beat following exposure to monochromatic light: association with increased ROS and loss of calcium transients. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C725-C736	5.4	3
15	Synthesis and study of new paramagnetic and diamagnetic verapamil derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 2954-63	3.4	3
14	Current Status and Potential Therapeutic Strategies for Using Non-coding RNA to Treat Diabetic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2020 , 11, 612722	4.6	2
13	Pluripotent stem cell-induced skeletal muscle progenitor cells with givinostat promote myoangiogenesis and restore dystrophin in injured Duchenne dystrophic muscle. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 131	8.3	2
12	Effect of pulmonary-generated reactive oxygen species on left-ventricular dysfunction associated with cardio-pulmonary ischemia-reperfusion injury. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 275-80	3.2	1
11	Measurement of Oxidative Stress Markers In Vitro Using Commercially Available Kits. <i>Biological Magnetic Resonance</i> , 2020 , 39-60	0.5	1
10	MicroRNAs in Mesenchymal Stem Cells 2013 , 101-126		1
9	Composition of Bone Marrow-Derived Progenitor Cells in the Cellular Infiltrate of Infarcted Hearts: Role of Local Oxygen Tension. <i>FASEB Journal</i> , 2007 , 21, A228	0.9	1
8	Emerging Roles of Extracellular Vesicles Derived Non-Coding RNAs in the Cardiovascular System. <i>Sub-Cellular Biochemistry</i> , 2021 , 97, 437-453	5.5	1
7	Drug Delivery Modalities for Treating Damaged Hearts: Current Challenges and Emerging Solutions. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 742315	5.4	0
6	Tumor-Derived Extracellular Vesicles Induce Abnormal Angiogenesis TRPV4 Downregulation and Subsequent Activation of YAP and VEGFR2.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 790489	5.8	0

5 Considerations of Quality Control Issues for the Mesenchymal Stem Cells-Based Medicinal Products
2013, 265-278

4 Drug-Induced Nephrotoxicity Protection by Spirulina **2007**, 153-175

3 Challenges to intestinal pO₂ measurement using EPR. *Advances in Experimental Medicine and Biology*, **2011**, 701, 37-44 3.6

2 Physiologic Cardiac Hypertrophy and Cardiac Dilation: A Comparative Study Using ZmRacD Transgenic Mouse Model. *FASEB Journal*, **2012**, 26, 615.1 0.9

1 Measurement of Reactive Oxygen Species in Cardiovascular Disease 359-370