

Raj Kishore

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.

73
papers

4,133
citations

31
h-index

64
g-index

93
ext. papers

4,952
ext. citations

9.9
avg, IF

5.4
L-index

#	Paper	IF	Citations
73	Embryonic stem cell-derived exosomes promote endogenous repair mechanisms and enhance cardiac function following myocardial infarction. <i>Circulation Research</i> , 2015 , 117, 52-64	15.7	458
72	Exosomes from human CD34(+) stem cells mediate their proangiogenic paracrine activity. <i>Circulation Research</i> , 2011 , 109, 724-8	15.7	457
71	Hypoxic preconditioning enhances the benefit of cardiac progenitor cell therapy for treatment of myocardial infarction by inducing CXCR4 expression. <i>Circulation Research</i> , 2009 , 104, 1209-16	15.7	305
70	IL-10 inhibits inflammation and attenuates left ventricular remodeling after myocardial infarction via activation of STAT3 and suppression of HuR. <i>Circulation Research</i> , 2009 , 104, e9-18	15.7	268
69	Sonic hedgehog myocardial gene therapy: tissue repair through transient reconstitution of embryonic signaling. <i>Nature Medicine</i> , 2005 , 11, 1197-204	50.5	253
68	Extracellular vesicles in diagnostics and therapy of the ischaemic heart: Position Paper from the Working Group on Cellular Biology of the Heart of the European Society of Cardiology. <i>Cardiovascular Research</i> , 2018 , 114, 19-34	9.9	198
67	Circular RNA CircFndc3b modulates cardiac repair after myocardial infarction via FUS/VEGF-A axis. <i>Nature Communications</i> , 2019 , 10, 4317	17.4	171
66	Sonic hedgehog-modified human CD34+ cells preserve cardiac function after acute myocardial infarction. <i>Circulation Research</i> , 2012 , 111, 312-21	15.7	145
65	Interleukin-10 treatment attenuates pressure overload-induced hypertrophic remodeling and improves heart function via signal transducers and activators of transcription 3-dependent inhibition of nuclear factor- κ B. <i>Circulation</i> , 2012 , 126, 418-29	16.7	131
64	More Than Tiny Sacks: Stem Cell Exosomes as Cell-Free Modality for Cardiac Repair. <i>Circulation Research</i> , 2016 , 118, 330-43	15.7	122
63	Interleukin-10 deficiency impairs bone marrow-derived endothelial progenitor cell survival and function in ischemic myocardium. <i>Circulation Research</i> , 2011 , 109, 1280-9	15.7	109
62	MicroRNA-9 inhibits hyperglycemia-induced pyroptosis in human ventricular cardiomyocytes by targeting ELAVL1. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 471, 423-9	3.4	79
61	Enhanced angiogenic and cardiomyocyte differentiation capacity of epigenetically reprogrammed mouse and human endothelial progenitor cells augments their efficacy for ischemic myocardial repair. <i>Circulation Research</i> , 2012 , 111, 180-90	15.7	73
60	Therapeutic inhibition of miR-375 attenuates post-myocardial infarction inflammatory response and left ventricular dysfunction via PDK-1-AKT signalling axis. <i>Cardiovascular Research</i> , 2017 , 113, 938-949	8.9	67
59	The cytoskeletal protein ezrin regulates EC proliferation and angiogenesis via TNF-alpha-induced transcriptional repression of cyclin A. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1785-96	15.9	64
58	A critical role of Src family kinase in SDF-1/CXCR4-mediated bone-marrow progenitor cell recruitment to the ischemic heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 81, 49-53	5.8	63
57	Negative Regulation of miR-375 by Interleukin-10 Enhances Bone Marrow-Derived Progenitor Cell-Mediated Myocardial Repair and Function After Myocardial Infarction. <i>Stem Cells</i> , 2015 , 33, 3519-29	5.8	59

56	Bone marrow progenitor cell therapy-mediated paracrine regulation of cardiac miRNA-155 modulates fibrotic response in diabetic hearts. <i>PLoS ONE</i> , 2013 , 8, e60161	3.7	58
55	Myocardial knockdown of mRNA-stabilizing protein HuR attenuates post-MI inflammatory response and left ventricular dysfunction in IL-10-null mice. <i>FASEB Journal</i> , 2010 , 24, 2484-94	0.9	56
54	Loss of Adult Cardiac Myocyte GSK-3 Leads to Mitotic Catastrophe Resulting in Fatal Dilated Cardiomyopathy. <i>Circulation Research</i> , 2016 , 118, 1208-22	15.7	55
53	Enhanced Cardiac Regenerative Ability of Stem Cells After Ischemia-Reperfusion Injury: Role of Human CD34+ Cells Deficient in MicroRNA-377. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 2214-2226	15.1	51
52	Epigenetics and precision medicine in cardiovascular patients: from basic concepts to the clinical arena. <i>European Heart Journal</i> , 2018 , 39, 4150-4158	9.5	49
51	Interleukin-10 Deficiency Alters Endothelial Progenitor Cell-Derived Exosome Reparative Effect on Myocardial Repair via Integrin-Linked Kinase Enrichment. <i>Circulation Research</i> , 2020 , 126, 315-329	15.7	49
50	Cardiovascular Manifestations of COVID-19 Infection. <i>Cells</i> , 2020 , 9,	7.9	49
49	Transient Introduction of miR-294 in the Heart Promotes Cardiomyocyte Cell Cycle Reentry After Injury. <i>Circulation Research</i> , 2019 , 125, 14-25	15.7	44
48	Interleukin-10 Inhibits Bone Marrow Fibroblast Progenitor Cell-Mediated Cardiac Fibrosis in Pressure-Overloaded Myocardium. <i>Circulation</i> , 2017 , 136, 940-953	16.7	43
47	Therapeutic manipulation of angiogenesis with miR-27b. <i>Vascular Cell</i> , 2015 , 7, 6	1	40
46	Extracellular Vesicles and the Application of System Biology and Computational Modeling in Cardiac Repair. <i>Circulation Research</i> , 2018 , 123, 188-204	15.7	37
45	Mitochondrial dysfunction and its impact on diabetic heart. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 1098-1105	6.9	36
44	Restoration of Hydrogen Sulfide Production in Diabetic Mice Improves Reparative Function of Bone Marrow Cells. <i>Circulation</i> , 2016 , 134, 1467-1483	16.7	36
43	Interleukin-10 Deficiency Impairs Reparative Properties of Bone Marrow-Derived Endothelial Progenitor Cell Exosomes. <i>Tissue Engineering - Part A</i> , 2017 , 23, 1241-1250	3.9	31
42	Sirtuin-6 deficiency exacerbates diabetes-induced impairment of wound healing. <i>Experimental Dermatology</i> , 2015 , 24, 773-8	4	30
41	Interleukin-10 inhibits chronic angiotensin II-induced pathological autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 89, 203-13	5.8	29
40	Hyperhomocysteinemia potentiates diabetes-impaired EDHF-induced vascular relaxation: Role of insufficient hydrogen sulfide. <i>Redox Biology</i> , 2018 , 16, 215-225	11.3	29
39	Tumor necrosis factor-mediated E2F1 suppression in endothelial cells: differential requirement of c-Jun N-terminal kinase and p38 mitogen-activated protein kinase signal transduction pathways. <i>Circulation Research</i> , 2003 , 93, 932-40	15.7	26

38	Tiny Shuttles for Information Transfer: Exosomes in Cardiac Health and Disease. <i>Journal of Cardiovascular Translational Research</i> , 2016 , 9, 169-175	3.3	25
37	Roles of STATs signaling in cardiovascular diseases. <i>Jak-stat</i> , 2012 , 1, 118-24		24
36	Targeting exosome-associated human antigen R attenuates fibrosis and inflammation in diabetic heart. <i>FASEB Journal</i> , 2020 , 34, 2238-2251	0.9	23
35	E2F1 suppresses cardiac neovascularization by down-regulating VEGF and PlGF expression. <i>Cardiovascular Research</i> , 2014 , 104, 412-22	9.9	22
34	Stem Cell Exosomes: Cell-Free Therapy for Organ Repair. <i>Methods in Molecular Biology</i> , 2017 , 1553, 315-324		20
33	Enhanced potency of cell-based therapy for ischemic tissue repair using an injectable bioactive epitope presenting nanofiber support matrix. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 74, 231-238	5.8	20
32	IL-10 Accelerates Re-Endothelialization and Inhibits Post-Injury Intimal Hyperplasia following Carotid Artery Denudation. <i>PLoS ONE</i> , 2016 , 11, e0147615	3.7	19
31	Different Sequences of Fractionated Low-Dose Proton and Single Iron-Radiation-Induced Divergent Biological Responses in the Heart. <i>Radiation Research</i> , 2017 , 188, 191-203	3.1	18
30	Gene therapy for restenosis: biological solution to a biological problem. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 461-8	5.8	14
29	Functionally novel tumor necrosis factor- α -modulated CHR-binding protein mediates cyclin A transcriptional repression in vascular endothelial cells. <i>Circulation Research</i> , 2002 , 91, 307-14	15.7	14
28	Role of Circular RNAs in Cardiovascular Disease. <i>Journal of Cardiovascular Pharmacology</i> , 2020 , 76, 128-137	3.7	12
27	Inhibition of Sam68 triggers adipose tissue browning. <i>Journal of Endocrinology</i> , 2015 , 225, 181-9	4.7	11
26	IL-10 provides cardioprotection in diabetic myocardial infarction via upregulation of Heme clearance pathways. <i>JCI Insight</i> , 2020 , 5,	9.9	11
25	Myofibroblast-Derived Exosome Induce Cardiac Endothelial Cell Dysfunction. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 676267	5.4	11
24	Potential role of hydrogen sulfide in diabetes-impaired angiogenesis and ischemic tissue repair. <i>Redox Biology</i> , 2020 , 37, 101704	11.3	10
23	Podoplanin neutralization improves cardiac remodeling and function after acute myocardial infarction. <i>JCI Insight</i> , 2019 , 5,	9.9	9
22	Endothelial Progenitor Cells: Procedure for Cell Isolation and Applications. <i>Methods in Molecular Biology</i> , 2017 , 1553, 85-89	1.4	8
21	Divergent modification of low-dose β e-particle and proton radiation on skeletal muscle. <i>Radiation Research</i> , 2013 , 180, 455-64	3.1	7

20	Cell-Free Mitochondrial DNA as a Potential Biomarker for Astronauts' Health. <i>Journal of the American Heart Association</i> , 2021 , 10, e022055	6	7
19	Cardiac Remodeling During Pregnancy With Metabolic Syndrome: Prologue of Pathological Remodeling. <i>Circulation</i> , 2021 , 143, 699-712	16.7	5
18	Transverse Aortic Constriction: a Model to Study Heart Failure in Small Animals 2013 , 164-169		4
17	Characterization of CRISPR/Cas9 engineered cellular extracellular vesicles and model specific cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H1276-H1289	5.3	4
16	Genetic deletion of TNFR2 augments inflammatory response and blunts satellite-cell-mediated recovery response in a hind limb ischemia model. <i>FASEB Journal</i> , 2015 , 29, 1208-19	0.9	3
15	ECalpain as a Novel Target for Impairment of Nitric Oxide-Mediated Vascular Relaxation in Diabetes: A Mini Review. <i>Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research</i> , 2015 , 9,	2.5	3
14	Cortical bone stem cell-derived exosomes' therapeutic effect on myocardial ischemia-reperfusion and cardiac remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H1014-H1029	5.2	3
13	Unfathomed Nanomessages to the Heart: Translational Implications of Stem Cell-Derived, Progenitor Cell Exosomes in Cardiac Repair and Regeneration. <i>Cells</i> , 2021 , 10,	7.9	3
12	Long-Term Effects of Very Low Dose Particle Radiation on Gene Expression in the Heart: Degenerative Disease Risks. <i>Cells</i> , 2021 , 10,	7.9	3
11	Cardiac progenitor cells: old is not always gold. <i>Journal of Physiology</i> , 2017 , 595, 6221-6222	3.9	2
10	Induced pluripotent cells in cardiovascular biology: epigenetics, promises, and challenges. <i>Progress in Molecular Biology and Translational Science</i> , 2012 , 111, 27-49	4	2
9	Serum-Derived Small Extracellular Vesicles From Diabetic Mice Impair Angiogenic Property of Microvascular Endothelial Cells: Role of EZH2. <i>Journal of the American Heart Association</i> , 2021 , 10, e019755	6	2
8	Identification and Comparison of Hyperglycemia-Induced Extracellular Vesicle Transcriptome in Different Mouse Stem Cells. <i>Cells</i> , 2020 , 9,	7.9	1
7	Space flight associated changes in astronauts' plasma-derived small extracellular vesicle microRNA: Biomarker identification. <i>Clinical and Translational Medicine</i> , 2022 , 12,	5.7	1
6	Role of Podoplanin-Positive Cells in Cardiac Fibrosis and Angiogenesis After Ischemia. <i>Frontiers in Physiology</i> , 2021 , 12, 667278	4.6	0
5	Phosphatidylinositol-4,5-Bisphosphate Binding to Amphiphysin-II Modulates T-Tubule Remodeling: Implications for Heart Failure.. <i>Frontiers in Physiology</i> , 2021 , 12, 782767	4.6	0
4	Mesenchymal Stromal Cell Exosomes in Cardiac Repair.. <i>Current Cardiology Reports</i> , 2022 , 24, 405	4.2	
3	STK35 Gene Therapy Attenuates Endothelial Dysfunction and Improves Cardiac Function in Diabetes.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 798091	5.4	

- 2 Aging is associated with cardiac autonomic nerve fiber depletion and reduced cardiac and circulating BDNF levels. *Journal of Geriatric Cardiology*, **2021**, 18, 549-559 1.7
- 1 Three-dimensional unity of engineered heart tissue mimics the heart better than two-dimensional cellular diversity. *Cardiovascular Research*, **2021**, 117, 1995-1997 9.9