

Raj Kishore

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

5,566
citations

101543

36
h-index

79698

73
g-index

93
all docs

93
docs citations

93
times ranked

8077
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesenchymal Stromal Cell Exosomes in Cardiac Repair. <i>Current Cardiology Reports</i> , 2022, 24, 405-417.	2.9	3
2	Space flight associated changes in astronauts's plasma-derived small extracellular vesicle microRNA: Biomarker identification. <i>Clinical and Translational Medicine</i> , 2022, 12, .	4.0	6
3	Cardiac Remodeling During Pregnancy With Metabolic Syndrome. <i>Circulation</i> , 2021, 143, 699-712.	1.6	11
4	Three-dimensional unity of engineered heart tissue mimics the heart better than two-dimensional cellular diversity. <i>Cardiovascular Research</i> , 2021, 117, 1995-1997.	3.8	0
5	Long-Term Effects of Very Low Dose Particle Radiation on Gene Expression in the Heart: Degenerative Disease Risks. <i>Cells</i> , 2021, 10, 387.	4.1	9
6	Characterization of \hat{I}^2 ARKct engineered cellular extracellular vesicles and model specific cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1276-H1289.	3.2	9
7	Myofibroblast-Derived Exosome Induce Cardiac Endothelial Cell Dysfunction. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 676267.	2.4	25
8	Role of Podoplanin-Positive Cells in Cardiac Fibrosis and Angiogenesis After Ischemia. <i>Frontiers in Physiology</i> , 2021, 12, 667278.	2.8	5
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.	3.7	5
10	Unfathomed Nanomessages to the Heart: Translational Implications of Stem Cell-Derived, Progenitor Cell Exosomes in Cardiac Repair and Regeneration. <i>Cells</i> , 2021, 10, 1811.	4.1	7
11	Cortical bone stem cell-derived exosomes's therapeutic effect on myocardial ischemia-reperfusion and cardiac remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H1014-H1029.	3.2	14
12	Cell-Free Mitochondrial DNA as a Potential Biomarker for Astronauts' Health. <i>Journal of the American Heart Association</i> , 2021, 10, e022055.	3.7	22
13	Aging is associated with cardiac autonomic nerve fiber depletion and reduced cardiac and circulating BDNF levels. <i>Journal of Geriatric Cardiology</i> , 2021, 18, 549-559.	0.2	1
14	STK35 Gene Therapy Attenuates Endothelial Dysfunction and Improves Cardiac Function in Diabetes. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 798091.	2.4	2
15	Abstract 11333: Muscle Specific MicroRNA-499-5p Impairs Angiogenesis in Ischemic Hindlimb of Diabetic Micehindlimb of Diabetic Mice. <i>Circulation</i> , 2021, 144, .	1.6	0
16	Phosphatidylinositol-4,5-Bisphosphate Binding to Amphiphysin-II Modulates T-Tubule Remodeling: Implications for Heart Failure. <i>Frontiers in Physiology</i> , 2021, 12, 782767.	2.8	6
17	Targeting exosome-associated human antigen R attenuates fibrosis and inflammation in diabetic heart. <i>FASEB Journal</i> , 2020, 34, 2238-2251.	0.5	50
18	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.	4.5	97

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19	Role of Circular RNAs in Cardiovascular Disease. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 76, 128-137.	1.9	20
20	Potential role of hydrogen sulfide in diabetes-impaired angiogenesis and ischemic tissue repair. <i>Redox Biology</i> , 2020, 37, 101704.	9.0	43
21	Cardiovascular Manifestations of COVID-19 Infection. <i>Cells</i> , 2020, 9, 2508.	4.1	142
22	Identification and Comparison of Hyperglycemia-Induced Extracellular Vesicle Transcriptome in Different Mouse Stem Cells. <i>Cells</i> , 2020, 9, 2098.	4.1	7
23	IL-10 provides cardioprotection in diabetic myocardial infarction via upregulation of Heme clearance pathways. <i>JCI Insight</i> , 2020, 5, .	5.0	19
24	Abstract 362: Role of Dysregulated Exosomal MiRNAs in Functional Impairment of Cardiac Endothelial Cells. <i>Circulation Research</i> , 2020, 127, .	4.5	0
25	Circular RNA CircFndc3b modulates cardiac repair after myocardial infarction via FUS/VEGF-A axis. <i>Nature Communications</i> , 2019, 10, 4317.	12.8	280
26	Transient Introduction of miR-294 in the Heart Promotes Cardiomyocyte Cell Cycle Reentry After Injury. <i>Circulation Research</i> , 2019, 125, 14-25.	4.5	81
27	Podoplanin neutralization improves cardiac remodeling and function after myocardial infarction. <i>JCI Insight</i> , 2019, 4, .	5.0	19
28	Abstract 522: IL-10 Knockout Bone Marrow Fibroblast Progenitor Cells-derived Exosomes Activate Cardiac Fibroblast and Exaggerate Pressure Overload-induced Fibrosis in Mice Heart. <i>Circulation Research</i> , 2019, 125, .	4.5	0
29	Abstract 256: Cardiac Fibroblast-derived Exosomes Mediate Endothelial Dysfunction and Heart Failure. <i>Circulation Research</i> , 2019, 125, .	4.5	1
30	Hyperhomocysteinemia potentiates diabetes-impaired EDHF-induced vascular relaxation: Role of insufficient hydrogen sulfide. <i>Redox Biology</i> , 2018, 16, 215-225.	9.0	41
31	Induced Pluripotent Stem Cells Derived Extracellular Vesicles. <i>Circulation Research</i> , 2018, 122, 197-198.	4.5	8
32	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.	3.8	284
33	Epigenetics and precision medicine in cardiovascular patients: from basic concepts to the clinical arena. <i>European Heart Journal</i> , 2018, 39, 4150-4158.	2.2	79
34	Extracellular Vesicles and the Application of System Biology and Computational Modeling in Cardiac Repair. <i>Circulation Research</i> , 2018, 123, 188-204.	4.5	57
35	Abstract 288: Circular RNA CircFNDC3b Modulates Cardiac Repair After Myocardial Infarction via FUS-1/VEGF-A Axis. <i>Circulation Research</i> , 2018, 123, .	4.5	0
36	Cardiac cell-derived exosomes: changing face of regenerative biology. <i>European Heart Journal</i> , 2017, 38, ehw324.	2.2	27

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37	Stem Cell Exosomes: Cell-Free Therapy for Organ Repair. <i>Methods in Molecular Biology</i> , 2017, 1553, 315-321.	0.9	27
38	Endothelial Progenitor Cells: Procedure for Cell Isolation and Applications. <i>Methods in Molecular Biology</i> , 2017, 1553, 85-89.	0.9	10
39	Young Hearts Run Free. <i>Circulation Research</i> , 2017, 120, 751-752.	4.5	1
40	Interleukin-10 Deficiency Impairs Reparative Properties of Bone Marrow-Derived Endothelial Progenitor Cell Exosomes. <i>Tissue Engineering - Part A</i> , 2017, 23, 1241-1250.	3.1	41
41	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.	1.5	25
42	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.	3.8	101
43	Reprogrammed Human Endothelial Cells. <i>Circulation Research</i> , 2017, 120, 756-758.	4.5	2
44	Cardiac progenitor cells: old is not always gold. <i>Journal of Physiology</i> , 2017, 595, 6221-6222.	2.9	2
45	Interleukin-10 Inhibits Bone Marrow Fibroblast Progenitor Cell-Mediated Cardiac Fibrosis in Pressure-Overloaded Myocardium. <i>Circulation</i> , 2017, 136, 940-953.	1.6	57
46	Mitochondrial dysfunction and its impact on diabetic heart. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1098-1105.	3.8	53
47	Basic Cardiovascular Sciences Conference 2016. <i>Circulation Research</i> , 2016, 119, 708-710.	4.5	2
48	Restoration of Hydrogen Sulfide Production in Diabetic Mice Improves Reparative Function of Bone Marrow Cells. <i>Circulation</i> , 2016, 134, 1467-1483.	1.6	45
49	More Than Tiny Sacks. <i>Circulation Research</i> , 2016, 118, 330-343.	4.5	159
50	MicroRNA-9 inhibits hyperglycemia-induced pyroptosis in human ventricular cardiomyocytes by targeting ELAVL1. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 423-429.	2.1	113
51	Tiny Shuttles for Information Transfer: Exosomes in Cardiac Health and Disease. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 169-175.	2.4	39
52	Loss of Adult Cardiac Myocyte GSK-3 Leads to Mitotic Catastrophe Resulting in Fatal Dilated Cardiomyopathy. <i>Circulation Research</i> , 2016, 118, 1208-1222.	4.5	92
53	IL-10 Accelerates Re-Endothelialization and Inhibits Post-Injury Intimal Hyperplasia following Carotid Artery Denudation. <i>PLoS ONE</i> , 2016, 11, e0147615.	2.5	24
54	Abstract 99: IL10-inhibits Fibroblast Progenitor Cell-mediated Cardiac Fibrosis in Pressure-overloaded Myocardium. <i>Circulation Research</i> , 2016, 119, .	4.5	0

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55	Therapeutic manipulation of angiogenesis with miR-27b. <i>Vascular Cell</i> , 2015, 7, 6.	0.2	57
56	Sirtuin deficiency exacerbates diabetes-induced impairment of wound healing. <i>Experimental Dermatology</i> , 2015, 24, 773-778.	2.9	37
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, 3519-3529.	3.2	63
58	Inhibition of Sam68 triggers adipose tissue browning. <i>Journal of Endocrinology</i> , 2015, 225, 181-189.	2.6	13
59	Enhanced Cardiac Regenerative Ability of Stem Cells After Ischemia-Reperfusion Injury. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2214-2226.	2.8	60
60	The Nervous Heart. <i>Circulation Research</i> , 2015, 117, 980-981.	4.5	7
61	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.	1.9	74
62	Embryonic Stem Cell-Derived Exosomes Promote Endogenous Repair Mechanisms and Enhance Cardiac Function Following Myocardial Infarction. <i>Circulation Research</i> , 2015, 117, 52-64.	4.5	598
63	Interleukin-10 inhibits chronic angiotensin II-induced pathological autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 203-213.	1.9	36
64	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, 1208-1219.	0.5	4
65	Abstract 172: Interleukin-10-mediated Activation of AKT and Bcl2 Inhibits Chronic Angiotensin II-induced Pathological Autophagy. <i>Circulation Research</i> , 2015, 117, .	4.5	0
66	Abstract 12739: Microna-294 Modulates Cardiomyocyte Proliferation Following Myocardial Infarction. <i>Circulation</i> , 2015, 132, .	1.6	0
67	Abstract 14287: Ang II-induced Pathological Autophagy is Inhibited by IL-10 via Akt Dependent Inhibition of Beclin 1 in Mice Heart. <i>Circulation</i> , 2015, 132, .	1.6	1
68	Î¼-Calpain 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> , 2014, 09, .	0.1	3
69	E2F1 suppresses cardiac neovascularization by down-regulating VEGF and PlGF expression. <i>Cardiovascular Research</i> , 2014, 104, 412-422.	3.8	27
70	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, 231-239.	1.9	22
71	Abstract 11059: Role of Sirtuin 6 in Macrophage Polarization and Cardiac Repair in Diabetes. <i>Circulation</i> , 2014, 130, .	1.6	0
72	Abstract 16788: Delivery of Pluripotent Stem Cell Specific Microna-294 Induces Cardiomyocyte Proliferation Augmenting Cardiac Function After Myocardial Infarction. <i>Circulation</i> , 2014, 130, .	1.6	0

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73	Divergent Modification of Low-Dose ⁵⁶ Fe-Particle and Proton Radiation on Skeletal Muscle. <i>Radiation Research</i> , 2013, 180, 455.	1.5	8
74	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.	2.5	68
75	Roles of STATs signaling in cardiovascular diseases. <i>Jak-stat</i> , 2012, 1, 118-124.	2.2	40
76	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, 418-429.	1.6	160
77	Sonic Hedgehog-Modified Human CD34+ Cells Preserve Cardiac Function After Acute Myocardial Infarction. <i>Circulation Research</i> , 2012, 111, 312-321.	4.5	170
78	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, 180-190.	4.5	88
79	Induced Pluripotent Cells in Cardiovascular Biology. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 111, 27-49.	1.7	3
80	Exosomes From Human CD34 ⁺ Stem Cells Mediate Their Proangiogenic Paracrine Activity. <i>Circulation Research</i> , 2011, 109, 724-728.	4.5	550
81	Interleukin-10 Deficiency Impairs Bone Marrow-Derived Endothelial Progenitor Cell Survival and Function in Ischemic Myocardium. <i>Circulation Research</i> , 2011, 109, 1280-1289.	4.5	129
82	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, 2484-2494.	0.5	74
83	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, 1209-1216.	4.5	344
84	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.	4.5	324
85	Gene therapy for restenosis: Biological solution to a biological problem. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 461-468.	1.9	19
86	Sonic hedgehog myocardial gene therapy: tissue repair through transient reconstitution of embryonic signaling. <i>Nature Medicine</i> , 2005, 11, 1197-1204.	30.7	286
87	The cytoskeletal protein ezrin regulates EC proliferation and angiogenesis via TNF-induced transcriptional repression of cyclin A. <i>Journal of Clinical Investigation</i> , 2005, 115, 1785-1796.	8.2	70
88	Tumor Necrosis Factor-Mediated E2F1 Suppression in Endothelial Cells. <i>Circulation Research</i> , 2003, 93, 932-940.	4.5	30
89	Functionally Novel Tumor Necrosis Factor-Modulated CHR-Binding Protein Mediates Cyclin A Transcriptional Repression in Vascular Endothelial Cells. <i>Circulation Research</i> , 2002, 91, 307-314.	4.5	15