Prasanna Krishnamurthy

List of Publications by Citations

66 papers	2,424 citations	26 h-index	48 g-index
90 ext. papers	2,902 ext. citations	8.4 avg, IF	4.75 L-index

#	Paper	IF	Citations
66	Embryonic stem cell-derived exosomes promote endogenous repair mechanisms and enhance cardiac function following myocardial infarction. *Circulation Research*, **2015**, 117, 52-64	15.7	458
65	IL-10 inhibits inflammation and attenuates left ventricular remodeling after myocardial infarction via activation of STAT3 and suppression of HuR. *Circulation Research*, **2009**, 104, e9-18	15.7	268
64	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-B. *Circulation*, **2012**, 126, 418-29	16.7	131
63	Interleukin-10 deficiency impairs bone marrow-derived endothelial progenitor cell survival and function in ischemic myocardium. *Circulation Research*, **2011**, 109, 1280-9	15.7	109
62	MicroRNA-9 inhibits hyperglycemia-induced pyroptosis in human ventricular cardiomyocytes by targeting ELAVL1. *Biochemical and Biophysical Research Communications*, **2016**, 471, 423-9	3.4	79
61	Schisandrin B prevents doxorubicin induced cardiac dysfunction by modulation of DNA damage, oxidative stress and inflammation through inhibition of MAPK/p53 signaling. *PLoS ONE*, **2015**, 10, e0119214	3.7	78
60	Beta1 integrins modulate beta-adrenergic receptor-stimulated cardiac myocyte apoptosis and myocardial remodeling. *Hypertension*, **2007**, 49, 865-72	8.5	78
59	Enhanced angiogenic and cardiomyocyte differentiation capacity of epigenetically reprogrammed mouse and human endothelial progenitor cells augments their efficacy for ischemic myocardial repair. *Circulation Research*, **2012**, 111, 180-90	15.7	73
58	Therapeutic inhibition of miR-375 attenuates post-myocardial infarction inflammatory response and left ventricular dysfunction via PDK-1-AKT signalling axis. *Cardiovascular Research*, **2017**, 113, 938-949	8.9	67
57	Negative Regulation of miR-375 by Interleukin-10 Enhances Bone Marrow-Derived Progenitor Cell-Mediated Myocardial Repair and Function After Myocardial Infarction. *Stem Cells*, **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. *PLoS ONE*, **2013**, 8, e60161	3.7	58
55	Cell-free embryonic stem cell extract-mediated derivation of multipotent stem cells from NIH3T3 fibroblasts for functional and anatomical ischemic tissue repair. *Circulation Research*, **2008**, 102, e107-17	15.7	58
54	Schisandrin B Ameliorates ICV-Infused Amyloid Induced Oxidative Stress and Neuronal Dysfunction through Inhibiting RAGE/NF-B/MAPK and Up-Regulating HSP/Beclin Expression. *PLoS ONE*, **2015**, 10, e0142483	3.7	57
53	Myocardial knockdown of mRNA-stabilizing protein HuR attenuates post-MI inflammatory response and left ventricular dysfunction in IL-10-null mice. *FASEB Journal*, **2010**, 24, 2484-94	0.9	56
52	Enhanced Cardiac Regenerative Ability of Stem Cells After Ischemia-Reperfusion Injury: Role of Human CD34+ Cells Deficient in MicroRNA-377. *Journal of the American College of Cardiology*, **2015**, 66, 2214-2226	15.1	51
51	Inhibition of matrix metalloproteinases improves left ventricular function in mice lacking osteopontin after myocardial infarction. *Molecular and Cellular Biochemistry*, **2009**, 322, 53-62	4.2	44
50	Interleukin-10 Inhibits Bone Marrow Fibroblast Progenitor Cell-Mediated Cardiac Fibrosis in Pressure-Overloaded Myocardium. *Circulation*, **2017**, 136, 940-953	16.7	43

49	Exosomes secreted by hiPSC-derived cardiac cells improve recovery from myocardial infarction in swine. *Science Translational Medicine*, **2020**, 12,	17.5	43
48	MicroRNA-126 overexpression rescues diabetes-induced impairment in efferocytosis of apoptotic cardiomyocytes. *Scientific Reports*, **2016**, 6, 36207	4.9	37
47	Vascular Aging: Implications for Cardiovascular Disease and Therapy. *Translational Medicine (Sunnyvale, Calif)*, **2016**, 6,		36
46	Small engine, big power: microRNAs as regulators of cardiac diseases and regeneration. *International Journal of Molecular Sciences*, **2014**, 15, 15891-911	6.3	35
45	Lack of osteopontin improves cardiac function in streptozotocin-induced diabetic mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H673-83	5.2	35
44	Modulation of Macrophage Polarization and HMGB1-TLR2/TLR4 Cascade Plays a Crucial Role for Cardiac Remodeling in Senescence-Accelerated Prone Mice. *PLoS ONE*, **2016**, 11, e0152922	3.7	34
43	Sirtuin-6 deficiency exacerbates diabetes-induced impairment of wound healing. *Experimental Dermatology*, **2015**, 24, 773-8	4	30
42	Interleukin-10 inhibits chronic angiotensin II-induced pathological autophagy. *Journal of Molecular and Cellular Cardiology*, **2015**, 89, 203-13	5.8	29
41	The Art of Intercellular Wireless Communications: Exosomes in Heart Disease and Therapy. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 315	5.7	26
40	Role of MAPK-mediated endoplasmic reticulum stress signaling in the heart during aging in senescence-accelerated prone mice. *BioFactors*, **2016**, 42, 368-75	6.1	24
39	Angiotensin receptor blockers: Focus on cardiac and renal injury. *Trends in Cardiovascular Medicine*, **2016**, 26, 221-8	6.9	23
38	Targeting exosome-associated human antigen R attenuates fibrosis and inflammation in diabetic heart. *FASEB Journal*, **2020**, 34, 2238-2251	0.9	23
37	IL-10 Accelerates Re-Endothelialization and Inhibits Post-Injury Intimal Hyperplasia following Carotid Artery Denudation. *PLoS ONE*, **2016**, 11, e0147615	3.7	19
36	RNA-stabilizing proteins as molecular targets in cardiovascular pathologies. *Trends in Cardiovascular Medicine*, **2015**, 25, 676-83	6.9	18
35	Alcohol Toxicity in Diabetes and Its Complications: A Double Trouble?. *Alcoholism: Clinical and Experimental Research*, **2016**, 40, 686-97	3.7	18
34	Naringenin ameliorates skin inflammation and accelerates phenotypic reprogramming from M1 to M2 macrophage polarization in atopic dermatitis NC/Nga mouse model. *Experimental Dermatology*, **2016**, 25, 404-7	4	18
33	Expression of the cytoplasmic domain of beta1 integrin induces apoptosis in adult rat ventricular myocytes (ARVM) via the involvement of caspase-8 and mitochondrial death pathway. *Basic Research in Cardiology*, **2006**, 101, 485-93	11.8	16
32	Histone deacetylase 1 deficiency impairs differentiation and electrophysiological properties of cardiomyocytes derived from induced pluripotent cells. *Stem Cells*, **2012**, 30, 2412-22	5.8	15

31	Depletion of cardiac 14-3-3 protein adversely influences pathologic cardiac remodeling during myocardial infarction after coronary artery ligation in mice. *International Journal of Cardiology*, **2016**, 202, 146-53	3.2	13
30	S100 family proteins in inflammation and beyond. *Advances in Clinical Chemistry*, **2020**, 98, 173-231	5.8	13
29	Cardiomyocytes from CCND2-overexpressing human induced-pluripotent stem cells repopulate the myocardial scar in mice: A 6-month study. *Journal of Molecular and Cellular Cardiology*, **2019**, 137, 25-33	5.8	13
28	Elucidation of a novel pathway through which HDAC1 controls cardiomyocyte differentiation through expression of SOX-17 and BMP2. *PLoS ONE*, **2012**, 7, e45046	3.7	13
27	Nano-Vesicle (Mis)Communication in Senescence-Related Pathologies. *Cells*, **2020**, 9,	7.9	12
26	IL-10 provides cardioprotection in diabetic myocardial infarction via upregulation of Heme clearance pathways. *JCI Insight*, **2020**, 5,	9.9	11
25	Myofibroblast-Derived Exosome Induce Cardiac Endothelial Cell Dysfunction. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 676267	5.4	11
24	Mechanisms of COVID-19-induced cardiovascular disease: s sepsis or exosome the missing link?. *Journal of Cellular Physiology*, **2021**, 236, 3366-3382	7	11
23	Exercise Mediated Nrf2 Signaling Protects the Myocardium From Isoproterenol-Induced Pathological Remodeling. *Frontiers in Cardiovascular Medicine*, **2019**, 6, 68	5.4	10
22	Myocardial protection by nanomaterials formulated with CHIR99021 and FGF1. *JCI Insight*, **2020**, 5,	9.9	10
21	Cardiovascular Changes Associated with Hypertensive Heart Disease and Aging. *Cell Transplantation*, **2020**, 29, 963689720920830	4	8
20	Novel Mechanisms of Exosome-Mediated Phagocytosis of Dead Cells in Injured Heart. *Circulation Research*, **2021**, 129, 1006-1020	15.7	8
19	Alcohol consumption negates estrogen-mediated myocardial repair in ovariectomized mice by inhibiting endothelial progenitor cell mobilization and function. *Journal of Biological Chemistry*, **2013**, 288, 18022-34	5.4	6
18	Assessment of MiRNA Regulation of Endothelial Progenitor Cell Mediated Angiogenesis. *Methods in Molecular Biology*, **2017**, 1553, 305-314	1.4	5
17	Sam68 impedes the recovery of arterial injury by augmenting inflammatory response. *Journal of Molecular and Cellular Cardiology*, **2019**, 137, 82-92	5.8	5
16	Increased m6A-RNA methylation and FTO suppression is associated with myocardial inflammation and dysfunction during endotoxemia in mice. *Molecular and Cellular Biochemistry*, **2021**, 1	4.2	5
15	OBG-like ATPase 1 inhibition attenuates angiotensin II-induced hypertrophic response in human ventricular myocytes via GSK-3beta/beta-catenin signalling. *Clinical and Experimental Pharmacology and Physiology*, **2019**, 46, 743-751	3	4
14	Transverse Aortic Constriction: a Model to Study Heart Failure in Small Animals **2013**, 164-169		4

List of Publications

13	DNA damage-free iPS cells exhibit potential to yield competent cardiomyocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H801-H815	5.2	1
12	microRNA-377 Signaling Modulates Anticancer Drug-Induced Cardiotoxicity in Mice. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 737826	5.4	1
11	Cardiac glycosaminoglycans and structural alterations during chronic stress-induced depression-like behavior in mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H2044-H2057	5.2	0
10	Transcriptional Regulation of Structural and Functional Adaptations in a Developing Adulthood Myocardium. *Cardiology and Cardiovascular Medicine*, **2021**, 5, 454-470	1.3	0
9	Phosphatidylinositol-4,5-Bisphosphate Binding to Amphiphysin-II Modulates T-Tubule Remodeling: Implications for Heart Failure.. *Frontiers in Physiology*, **2021**, 12, 782767	4.6	0
8	Significance of Japanese Kampo Medicine in Supportive Care of Heart Failure/Function **2017**, 47-57		
7	Kampo Medicine for Hypertension and Related Disorders **2017**, 59-67		
6	MicroRNA-181c-5p modulates phagocytosis efficiency in bone marrow-derived macrophages.. *Inflammation Research*, **2022**, 71, 321	7.2	
5	STK35 Gene Therapy Attenuates Endothelial Dysfunction and Improves Cardiac Function in Diabetes.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 798091	5.4	
4	Exosome-associated ELAVL1 adversely affects cardiac macrophage-fibroblast crosstalk in diabetes. *FASEB Journal*, **2020**, 34, 1-1	0.9	
3	Non-coding RNA modulates cardiovascular adverse effects of anthracycline chemotherapeutic agent. *FASEB Journal*, **2020**, 34, 1-1	0.9	
2	Murine Bone Marrow Transplantation Model146-148		
1	Endothelial Progenitor Cells: Application in Vascular Medicine **2014**, 117-124		