Rugmani Padmanabhan Iyer

List of Publications by Citations

31 papers	1,740 citations	23 h-index	31 g-index
31 ext. papers	2,135 ext. citations	6 avg, IF	4.67 L-index

#	Paper	IF	Citations
31	Matrix metalloproteinase-9: Many shades of function in cardiovascular disease. *Physiology*, **2013**, 28, 391-403	9.8	248
30	Temporal neutrophil polarization following myocardial infarction. *Cardiovascular Research*, **2016**, 110, 51-61	9.9	177
29	IL-10 improves cardiac remodeling after myocardial infarction by stimulating M2 macrophage polarization and fibroblast activation. *Basic Research in Cardiology*, **2017**, 112, 33	11.8	172
28	A Novel Collagen Matricryptin Reduces Left Ventricular Dilation Post-Myocardial Infarction by Promoting Scar Formation and Angiogenesis. *Journal of the American College of Cardiology*, **2015**, 66, 1364-74	15.1	101
27	The history of matrix metalloproteinases: milestones, myths, and misperceptions. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H919-30	5.2	101
26	Cardiac Fibroblast Activation Post-Myocardial Infarction: Current Knowledge Gaps. *Trends in Pharmacological Sciences*, **2017**, 38, 448-458	13.2	94
25	Myofibroblasts and the extracellular matrix network in post-myocardial infarction cardiac remodeling. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 1113-27	4.6	70
24	Matrix metalloproteinases as input and output signals for post-myocardial infarction remodeling. *Journal of Molecular and Cellular Cardiology*, **2016**, 91, 134-40	5.8	67
23	Early matrix metalloproteinase-12 inhibition worsens post-myocardial infarction cardiac dysfunction by delaying inflammation resolution. *International Journal of Cardiology*, **2015**, 185, 198-208	3.2	66
22	MMP-9 signaling in the left ventricle following myocardial infarction. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 311, H190-8	5.2	64
21	LXR/RXR signaling and neutrophil phenotype following myocardial infarction classify sex differences in remodeling. *Basic Research in Cardiology*, **2018**, 113, 40	11.8	64
20	CD36 Is a Matrix Metalloproteinase-9 Substrate That Stimulates Neutrophil Apoptosis and Removal During Cardiac Remodeling. *Circulation: Cardiovascular Genetics*, **2016**, 9, 14-25		61
19	Building a better infarct: Modulation of collagen cross-linking to increase infarct stiffness and reduce left ventricular dilation post-myocardial infarction. *Journal of Molecular and Cellular Cardiology*, **2015**, 85, 229-39	5.8	52
18	Periodontal-induced chronic inflammation triggers macrophage secretion of Ccl12 to inhibit fibroblast-mediated cardiac wound healing. *JCI Insight*, **2017**, 2,	9.9	45
17	Early matrix metalloproteinase-9 inhibition post-myocardial infarction worsens cardiac dysfunction by delaying inflammation resolution. *Journal of Molecular and Cellular Cardiology*, **2016**, 100, 109-117	5.8	42
16	Transgenic overexpression of macrophage matrix metalloproteinase-9 exacerbates age-related cardiac hypertrophy, vessel rarefaction, inflammation, and fibrosis. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H375-H383	5.2	40
15	P. gingivalis lipopolysaccharide intensifies inflammation post-myocardial infarction through matrix metalloproteinase-9. *Journal of Molecular and Cellular Cardiology*, **2014**, 76, 218-26	5.8	34

14	Osteopontin is proteolytically processed by matrix metalloproteinase 9. *Canadian Journal of Physiology and Pharmacology*, **2015**, 93, 879-86	2.4	32
13	Translating Koch's postulates to identify matrix metalloproteinase roles in postmyocardial infarction remodeling: cardiac metalloproteinase actions (CarMA) postulates. *Circulation Research*, **2014**, 114, 860-71	15.7	32
12	Aliskiren and valsartan mediate left ventricular remodeling post-myocardial infarction in mice through MMP-9 effects. *Journal of Molecular and Cellular Cardiology*, **2014**, 72, 326-35	5.8	30
11	Citrate synthase is a novel in vivo matrix metalloproteinase-9 substrate that regulates mitochondrial function in the postmyocardial infarction left ventricle. *Antioxidants and Redox Signaling*, **2014**, 21, 1974-85	8.4	29
10	Macrophage overexpression of matrix metalloproteinase-9 in aged mice improves diastolic physiology and cardiac wound healing after myocardial infarction. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H224-H235	5.2	27
9	Defining the sham environment for post-myocardial infarction studies in mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 311, H822-36	5.2	24
8	Using proteomics to uncover extracellular matrix interactions during cardiac remodeling. *Proteomics - Clinical Applications*, **2013**, 7, 516-27	3.1	18
7	Exogenous CXCL4 infusion inhibits macrophage phagocytosis by limiting CD36 signalling to enhance post-myocardial infarction cardiac dilation and mortality. *Cardiovascular Research*, **2019**, 115, 395-408	9.9	18
6	The Mouse Heart Attack Research Tool 1.0 database. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H522-H530	5.2	11
5	Matrix metalloproteinase-9-dependent mechanisms of reduced contractility and increased stiffness in the aging heart. *Proteomics - Clinical Applications*, **2016**, 10, 92-107	3.1	7
4	Glycoproteomic Profiling Provides Candidate Myocardial Infarction Predictors of Later Progression to Heart Failure. *ACS Omega*, **2019**, 4, 1272-1280	3.9	5
3	Using the laws of thermodynamics to understand how matrix metalloproteinases coordinate the myocardial response to injury. *Metalloproteinases in Medicine*, **2015**, 2, 75-82	0.7	4
2	Identification of a disulfide bridge important for transport function of SNAT4 neutral amino acid transporter. *PLoS ONE*, **2013**, 8, e56792	3.7	4
1	N-Glycosylation influences transport, but not cellular trafficking, of a neuronal amino acid transporter SNAT1. *Biochemical Journal*, **2016**, 473, 4227-4242	3.8	1