

# Rugmani Padmanabhan Iyer

## List of Publications by Year in Descending Order

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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.

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	Exogenous CXCL4 infusion inhibits macrophage phagocytosis by limiting CD36 signalling to enhance post-myocardial infarction cardiac dilation and mortality. <i>Cardiovascular Research</i> , <b>2019</b> , 115, 395-408	9.9	18
30	Glycoproteomic Profiling Provides Candidate Myocardial Infarction Predictors of Later Progression to Heart Failure. <i>ACS Omega</i> , <b>2019</b> , 4, 1272-1280	3.9	5
29	Macrophage overexpression of matrix metalloproteinase-9 in aged mice improves diastolic physiology and cardiac wound healing after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H224-H235	5.2	27
28	LXR/RXR signaling and neutrophil phenotype following myocardial infarction classify sex differences in remodeling. <i>Basic Research in Cardiology</i> , <b>2018</b> , 113, 40	11.8	64
27	The Mouse Heart Attack Research Tool 1.0 database. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H522-H530	5.2	11
26	Transgenic overexpression of macrophage matrix metalloproteinase-9 exacerbates age-related cardiac hypertrophy, vessel rarefaction, inflammation, and fibrosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H375-H383	5.2	40
25	IL-10 improves cardiac remodeling after myocardial infarction by stimulating M2 macrophage polarization and fibroblast activation. <i>Basic Research in Cardiology</i> , <b>2017</b> , 112, 33	11.8	172
24	Cardiac Fibroblast Activation Post-Myocardial Infarction: Current Knowledge Gaps. <i>Trends in Pharmacological Sciences</i> , <b>2017</b> , 38, 448-458	13.2	94
23	Periodontal-induced chronic inflammation triggers macrophage secretion of Ccl12 to inhibit fibroblast-mediated cardiac wound healing. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	45
22	MMP-9 signaling in the left ventricle following myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 311, H190-8	5.2	64
21	Early matrix metalloproteinase-9 inhibition post-myocardial infarction worsens cardiac dysfunction by delaying inflammation resolution. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2016</b> , 100, 109-117	5.8	42
20	Temporal neutrophil polarization following myocardial infarction. <i>Cardiovascular Research</i> , <b>2016</b> , 110, 51-61	9.9	177
19	Matrix metalloproteinases as input and output signals for post-myocardial infarction remodeling. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2016</b> , 91, 134-40	5.8	67
18	CD36 Is a Matrix Metalloproteinase-9 Substrate That Stimulates Neutrophil Apoptosis and Removal During Cardiac Remodeling. <i>Circulation: Cardiovascular Genetics</i> , <b>2016</b> , 9, 14-25		61
17	Matrix metalloproteinase-9-dependent mechanisms of reduced contractility and increased stiffness in the aging heart. <i>Proteomics - Clinical Applications</i> , <b>2016</b> , 10, 92-107	3.1	7
16	Defining the sham environment for post-myocardial infarction studies in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 311, H822-36	5.2	24
15	N-Glycosylation influences transport, but not cellular trafficking, of a neuronal amino acid transporter SNAT1. <i>Biochemical Journal</i> , <b>2016</b> , 473, 4227-4242	3.8	1

14	Building a better infarct: Modulation of collagen cross-linking to increase infarct stiffness and reduce left ventricular dilation post-myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 85, 229-39	5.8	52
13	Osteopontin is proteolytically processed by matrix metalloproteinase 9. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2015</b> , 93, 879-86	2.4	32
12	Early matrix metalloproteinase-12 inhibition worsens post-myocardial infarction cardiac dysfunction by delaying inflammation resolution. <i>International Journal of Cardiology</i> , <b>2015</b> , 185, 198-208 <sup>3.2</sup>	3.2	66
11	A Novel Collagen Matricryptin Reduces Left Ventricular Dilation Post-Myocardial Infarction by Promoting Scar Formation and Angiogenesis. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 1364-74	15.1	101
10	Using the laws of thermodynamics to understand how matrix metalloproteinases coordinate the myocardial response to injury. <i>Metalloproteinases in Medicine</i> , <b>2015</b> , 2, 75-82	0.7	4
9	Myofibroblasts and the extracellular matrix network in post-myocardial infarction cardiac remodeling. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2014</b> , 466, 1113-27	4.6	70
8	Aliskiren and valsartan mediate left ventricular remodeling post-myocardial infarction in mice through MMP-9 effects. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 72, 326-35	5.8	30
7	<i>P. gingivalis</i> lipopolysaccharide intensifies inflammation post-myocardial infarction through matrix metalloproteinase-9. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 76, 218-26	5.8	34
6	Translating Koch's postulates to identify matrix metalloproteinase roles in postmyocardial infarction remodeling: cardiac metalloproteinase actions (CarMA) postulates. <i>Circulation Research</i> , <b>2014</b> , 114, 860-71	15.7	32
5	Citrate synthase is a novel in vivo matrix metalloproteinase-9 substrate that regulates mitochondrial function in the postmyocardial infarction left ventricle. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 1974-85	8.4	29
4	Matrix metalloproteinase-9: Many shades of function in cardiovascular disease. <i>Physiology</i> , <b>2013</b> , 28, 391-403	9.8	248
3	Using proteomics to uncover extracellular matrix interactions during cardiac remodeling. <i>Proteomics - Clinical Applications</i> , <b>2013</b> , 7, 516-27	3.1	18
2	Identification of a disulfide bridge important for transport function of SNAT4 neutral amino acid transporter. <i>PLoS ONE</i> , <b>2013</b> , 8, e56792	3.7	4
1	The history of matrix metalloproteinases: milestones, myths, and misperceptions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H919-30	5.2	101