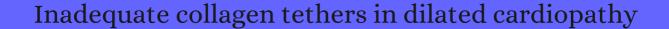
CITATION REPORT List of articles citing



DOI: 10.1016/0002-8703(88)90763-6 American Heart Journal, 1988, 116, 1641-6.

Source: https://exaly.com/paper-pdf/19724393/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
134	Collagenase activity in the normal rat myocardium. An immunohistochemical method. 1989 , 92, 391-6		23
133	The challenge of cardiomyopathy. Journal of the American College of Cardiology, 1989, 13, 1219-39	15.1	146
132	Cardiac interstitium in health and disease: the fibrillar collagen network. <i>Journal of the American College of Cardiology</i> , 1989 , 13, 1637-52	15.1	841
131	Differences in the shape of the normal, cardiomyopathic, and volume overloaded human left ventricle. 1989 , 2, 408-14		42
130	Myocardial collagen remodeling in pressure overload hypertrophy. A case for interstitial heart disease. 1989 , 2, 931-40		99
129	Collagen and the myocardium: fibrillar structure, biosynthesis and degradation in relation to hypertrophy and its regression. <i>Molecular and Cellular Biochemistry</i> , 1990 , 96, 1-14	4.2	124
128	Fibrosis in the transplanted heart and its relation to donor ischemic time. Assessment with polarized light microscopy and digital image analysis. <i>Circulation</i> , 1990 , 81, 949-58	16.7	100
127	Fibrillar collagen and remodeling of dilated canine left ventricle. Circulation, 1990, 82, 1387-401	16.7	231
126	Can heart failure be prevented, delayed, or reversed?. American Heart Journal, 1990, 120, 1540-6	4.9	1
125	Role of collagen in acute myocardial infarct expansion. <i>Circulation</i> , 1991 , 84, 2123-34	16.7	158
124	Left Ventricular Shape and Size in Dilated Cardiomyopathy: Quantitative Echocardiography Assessment. 1991 , 8, 187-193		1
123	Myocardial collagen network in dilated cardiomyopathy. Morphometry and scanning electron microscopy study. 1991 , 160, 399-401		5
122	The heart in hypertension. 1992 , 327, 998-1008		549
121	Left ventricular volumes during exercise in normal subjects and patients with dilated cardiomyopathy assessed by first-pass radionuclide angiography. 1993 , 72, 1167-71		16
120	Myocardial matrix metalloproteinase(s): localization and activation. <i>Molecular and Cellular Biochemistry</i> , 1993 , 126, 49-59	4.2	133
119	Pathologic changes in the cardiac interstitium of mice infected with encephalomyocarditis virus. 1993 , 2, 117-26		2
118	Development of the collagen network of the human fetal myocardium: an immunohistochemical study. 1993 , 41, 77-86		11

117	Ventricular remodelling: consequences and therapy. 1993 , 14 Suppl C, 24-9		56
116	Relationship between myocardial collagen and echo amplitude in non-fibrotic hearts. 1993 , 14, 344-50		47
115	Relation of regional cross-fiber shortening to wall thickening in the intact heart. Three-dimensional strain analysis by NMR tagging. <i>Circulation</i> , 1994 , 89, 1174-82	16.7	268
114	Quantitative assessment of myocardial collagen with picrosirius red staining and circularly polarized light. <i>Basic Research in Cardiology</i> , 1994 , 89, 397-410	11.8	374
113	Heart Hypertrophy and Failure. Developments in Cardiovascular Medicine, 1995,		
112	Serum aminoterminal propeptide of type III procollagen after cardiac transplantation and the effect of rejection. 1996 , 78, 1406-10		9
111	Matrix metalloproteinase activity expression in infarcted, noninfarcted and dilated cardiomyopathic human hearts. <i>Molecular and Cellular Biochemistry</i> , 1996 , 155, 13-21	4.2	127
110	Role of extracellular matrix metalloproteinases in cardiac remodelling. <i>Heart Failure Reviews</i> , 1996 , 1, 73-80	5	16
109	Increased expression of promatrix metalloproteinase-9 and neutrophil elastase in canine dilated cardiomyopathy. 1997 , 34, 377-83		32
108	Dynamic extracellular matrix remodeling in the heart failure: cardiac hypertrophy, dilatation and fibrosis. 1997 , 4, 227-234		7
107	Extracellular matrix remodeling in coxsackievirus B3 myocarditis. 1997, 85, 47-55		7
106	Functional consequences of acute collagen degradation studied in crystalloid perfused rat hearts. Basic Research in Cardiology, 1997 , 92, 147-58	11.8	13
105	Cardiac remodeling as a consequence and cause of progressive heart failure. 1998 , 21, I14-9		53
104	Myocardial extracellular matrix remodeling with the development of pacing induced congestive heart failure contributory mechanisms. 1998 , 7, 161-8		2
103	Ventricular remodeling. Mechanisms and prevention. 1998 , 16, 623-32, vii-viii		48
102	Increased matrix metalloproteinase activity and selective upregulation in LV myocardium from patients with end-stage dilated cardiomyopathy. <i>Circulation</i> , 1998 , 97, 1708-15	16.7	414
101	Pathophysiologically relevant concentrations of tumor necrosis factor-alpha promote progressive left ventricular dysfunction and remodeling in rats. <i>Circulation</i> , 1998 , 97, 1382-91	16.7	690
100	Activation of matrix metalloproteinases in the failing human heart: breaking the tie that binds. <i>Circulation</i> , 1998 , 98, 1699-702	16.7	135

99	Differential myocardial abundance of collagen type I and type III mRNA in dilated cardiomyopathy: effects of myocardial inflammation. 1998 , 37, 123-9		51
98	Myocardial matrix metalloproteinase activity and abundance with congestive heart failure. 1998 , 274, H1516-23		51
97	Novel approaches to retard ventricular remodeling in heart failure. 1999 , 1, 17-23		10
96	Different microcirculatory and interstitial matrix patterns in idiopathic dilated cardiomyopathy and ChagasUdisease: a three dimensional confocal microscopy study. 1999 , 82, 279-85		64
95	Defects in matrix metalloproteinase inhibitory stoichiometry and selective MMP induction in patients with nonischemic or ischemic dilated cardiomyopathy. 1999 , 878, 559-62		17
94	Dilated cardiomyopathy is associated with significant changes in collagen type I/III ratio. <i>Circulation</i> , 1999 , 99, 2750-6	16.7	275
93	Idiopathic dilated cardiomyopathy. Elastic parallel element dysfunction as a physiopathological hypothesis for ventricular failure. 1999 , 53, 260-2		6
92	Interleukin-1beta and tumor necrosis factor-alpha decrease collagen synthesis and increase matrix metalloproteinase activity in cardiac fibroblasts in vitro. 2000 , 86, 1259-65		423
91	Effects of gene deletion of the tissue inhibitor of the matrix metalloproteinase-type 1 (TIMP-1) on left ventricular geometry and function in mice. 2000 , 32, 109-20		108
90	Alterations in the organisation, ultrastructure and biochemistry of the myocardial collagen matrix in doberman pinschers with dilated cardiomyopathy. 2000 , 69, 267-74		5
89	Matrix metalloproteinases in the progression of heart failure: potential therapeutic implications. 2001 , 61, 1239-52		25
88	Matrix metalloproteinases in pathophysiology and treatment of heart failure. 2001 , 357, 654-5		32
87	ET(A)-receptor blockade prevents matrix metalloproteinase activation late postmyocardial infarction in the rat. 2001 , 280, H984-91		46
86	Long-term changes in collagen formation expressed by serum carboxyterminal propeptide of type-I procollagen and relation to left ventricular function after acute myocardial infarction. 2001 , 96, 45-50		19
85	Matrix metalloproteinases: from biology to therapeutic strategies in cardiovascular disease. 2001 , 49, 381-97		35
84	Collagen remodeling and cardiac dysfunction in patients with hypertrophic cardiomyopathy: the significance of type III and VI collagens. 2001 , 24, 325-9		61
83	Recent insights into the role of tumor necrosis factor in the failing heart. <i>Heart Failure Reviews</i> , 2001 , 6, 71-80	5	65
82	Ultrastructural and molecular changes in the left and right ventricular myocardium associated with ascites syndrome in broiler chickens raised at low altitude. 2001 , 48, 1-14		21

(2004-2001)

81	Reduction in myocardial collagen cross-linking parallels left ventricular dilatation in rat models of systolic chamber dysfunction. <i>Circulation</i> , 2001 , 103, 155-60	156
80	Characterization of cardiac myocyte and tissue beta-adrenergic signal transduction in rats with heart failure. 2001 , 50, 34-45	24
79	Functional monitoring of anthracycline cardiotoxicity: a prospective, blinded, long-term observational study of outcome in 120 patients. 2002 , 13, 699-709	238
78	Regulation of cardiac fibroblast cellular function by leukemia inhibitory factor. 2002 , 34, 1309-16	45
77	Tumor necrosis factor-induced signal transduction and left ventricular remodeling. 2002, 8, S379-86	36
76	Ventricular remodeling without cellular contractile dysfunction. 2002 , 8, S401-8	14
75	Plasma matrix metalloproteinase and inhibitor profiles in patients with heart failure. 2002, 8, 390-8	86
74	Matrix metalloproteinases: regulation and dysregulation in the failing heart. 2002 , 90, 520-30	603
73	Matrix metalloproteinase disruption of the extracellular matrix and cardiac dysfunction. 2002, 12, 97-101	80
72	Matrix metalloproteinase inhibitor development for the treatment of heart failure. 2002, 55, 29-44	6
71	Dilated cardiomyopathies as a cause of congestive heart failure. 2002 , 27, 113-34	21
70	Large animal models of congestive heart failure: a critical step in translating basic observations into clinical applications. 2003 , 10, 77-86	60
69	A critical evaluation of results of partial left ventriculectomy. 2003 , 18, 225-35	3
68	Surgical restoration of the failing left ventricle. 2003, 87, 523-52, xiii	3
67	Matrix remodeling in experimental and human heart failure: a possible regulatory role for TIMP-3. 2003 , 284, H626-34	81
66	Changes in extracellular collagen matrix alter myocardial systolic performance. 2003 , 284, H122-32	92
65	Collagen cross-link breakers: a beginning of a new era in the treatment of cardiovascular changes associated with aging, diabetes, and hypertension. 2004 , 4, 97-101	32
64	TIMP-3 deficiency leads to dilated cardiomyopathy. <i>Circulation</i> , 2004 , 110, 2401-9	129

63	Clinical and pathological features of dilated cardiomyopathy in Holstein-Friesian cattle. 2004, 155, 355-6	51	20
62	Expression of matrix metalloproteinase activity in idiopathic dilated cardiomyopathy: a marker of cardiac dilatation. <i>Molecular and Cellular Biochemistry</i> , 2004 , 264, 183-91	4.2	19
61	Molecular biology of myocardial recovery. 2004 , 84, 223-42		17
60	The cardiac atria are chambers of active remodeling and dynamic collagen turnover during evolving heart failure. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 68-76	15.1	127
59	Increased circulating matrix metalloproteinase-2 in patients with hypertrophic cardiomyopathy with systolic dysfunction. 2004 , 68, 355-60		69
58	Increased syndecan expression following myocardial infarction indicates a role in cardiac remodeling. 2004 , 16, 301-8		34
57	Alterations in vascular matrix metalloproteinase due to ageing and chronic hypertension: effects of endothelin receptor blockade. 2005 , 23, 1717-24		38
56	Roles of MMP-2/-9 in cardiac dysfunction during early multiple organ failure in an ovine animal model. 2005 , 201, 809-17		10
55	Animal models of cardiac fibrosis. 2005 , 117, 273-90		26
54	Mechanical unloading during left ventricular assist device support increases left ventricular collagen cross-linking and myocardial stiffness. <i>Circulation</i> , 2005 , 112, 364-74	16.7	147
54		16.7	147
	collagen cross-linking and myocardial stiffness. <i>Circulation</i> , 2005 , 112, 364-74	16.7	
53	collagen cross-linking and myocardial stiffness. <i>Circulation</i> , 2005 , 112, 364-74 Cardiac remodeling and failure From molecules to man (Part II). 2005 , 14, 49-60 Cardiac transgenic matrix metalloproteinase-2 expression directly induces impaired contractility.	16.7	101
53 52	collagen cross-linking and myocardial stiffness. <i>Circulation</i> , 2005 , 112, 364-74 Cardiac remodeling and failure From molecules to man (Part II). 2005 , 14, 49-60 Cardiac transgenic matrix metalloproteinase-2 expression directly induces impaired contractility. 2006 , 69, 688-96 Serum levels of tissue inhibitors of metalloproteinase 2 in patients with systemic sclerosis with	16.7	101
535251	Cardiac remodeling and failure From molecules to man (Part II). 2005, 14, 49-60 Cardiac transgenic matrix metalloproteinase-2 expression directly induces impaired contractility. 2006, 69, 688-96 Serum levels of tissue inhibitors of metalloproteinase 2 in patients with systemic sclerosis with duration more than 2 years: correlation with cardiac and pulmonary abnormalities. 2006, 2006, 38458 Influence of ACE-inhibition and mechanical unloading on the regulation of extracellular matrix proteins in the myocardium of heart transplantation candidates bridged by ventricular assist	16.7	101674
53525150	Cardiac remodeling and failure From molecules to man (Part II). 2005, 14, 49-60 Cardiac transgenic matrix metalloproteinase-2 expression directly induces impaired contractility. 2006, 69, 688-96 Serum levels of tissue inhibitors of metalloproteinase 2 in patients with systemic sclerosis with duration more than 2 years: correlation with cardiac and pulmonary abnormalities. 2006, 2006, 38458 Influence of ACE-inhibition and mechanical unloading on the regulation of extracellular matrix proteins in the myocardium of heart transplantation candidates bridged by ventricular assist devices. 2006, 8, 278-83 Hypoxia or nutrient restriction during pregnancy in rats leads to progressive cardiac remodeling	16.7	10167413
5352515049	Cardiac remodeling and failure From molecules to man (Part II). 2005, 112, 364-74 Cardiac transgenic matrix metalloproteinase-2 expression directly induces impaired contractility. 2006, 69, 688-96 Serum levels of tissue inhibitors of metalloproteinase 2 in patients with systemic sclerosis with duration more than 2 years: correlation with cardiac and pulmonary abnormalities. 2006, 2006, 38458 Influence of ACE-inhibition and mechanical unloading on the regulation of extracellular matrix proteins in the myocardium of heart transplantation candidates bridged by ventricular assist devices. 2006, 8, 278-83 Hypoxia or nutrient restriction during pregnancy in rats leads to progressive cardiac remodeling and impairs postischemic recovery in adult male offspring. 2006, 20, 1251-3 Myocardial matrix remodeling and the matrix metalloproteinases: influence on cardiac form and	16.7	101 67 4 13

(2014-2008)

45	Upregulation of lysyl oxidase and MMPs during cardiac remodeling in human dilated cardiomyopathy. <i>Molecular and Cellular Biochemistry</i> , 2008 , 307, 159-67	4.2	78	
44	Extracellular matrix profiles in the progression to heart failure. European Young Physiologists Symposium Keynote Lecture-Bratislava 2007. 2008 , 194, 3-21		77	
43	Molecular events in the cardiomyopathy of sepsis. 2008 , 14, 327-36		90	
42	Collagen content, but not the ratios of collagen type III/I mRNAs, differs among hypertensive, alcoholic, and idiopathic dilated cardiomyopathy. 2008 , 41, 1098-104		21	
41	Investigating the importance of flow when utilizing hyaluronan scaffolds for tissue engineering. 2010 , 4, 83-95		10	
40	Plasma tissue inhibitor of matrix metalloproteinase-1 (TIMP-1): an independent predictor of poor response to cardiac resynchronization therapy. 2010 , 12, 492-8		14	
39	Activation of Akt kinase accompanies increased cardiac resistance to ischemia/reperfusion in rats after short-term feeding with lard-based high-fat diet and increased sucrose intake. 2011 , 31, 631-43		8	
38	Alterations in Ventricular Structure. 2011 , 232-253		1	
37	Myocardial Basis for Heart Failure. 2011 , 73-84		1	
36	Contribution of myocardium overlying the anterolateral papillary muscle to left ventricular deformation. 2012 , 302, H180-7		3	
35	Troponin T and plasma collagen peptides in heart failure. 2012 , 5, 394-7		3	
34	Structural remodeling and mechanical function in heart failure. <i>Microscopy and Microanalysis</i> , 2012 , 18, 50-67	0.5	34	
33	Postmortem cardiac tissue maintains gene expression profile even after late harvesting. <i>BMC Genomics</i> , 2012 , 13, 26	4.5	28	
32	Biomarkers. <i>Heart Failure Clinics</i> , 2012 , 8, 207-24	3.3	7	
31	Myocardial structure and matrix metalloproteinases. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 1113-31	3	2	
30	Suppression of atrial natriuretic peptide/natriuretic peptide receptor-A-mediated signaling upregulates angiotensin-II-induced collagen synthesis in adult cardiac fibroblasts. <i>Molecular and Cellular Biochemistry</i> , 2013 , 378, 217-28	4.2	24	
29	Right ventricular failure and pathobiology in patients with congenital heart disease - implications for long-term follow-up. <i>Frontiers in Pediatrics</i> , 2013 , 1, 37	3.4	20	
28	From ischemic conditioning to <code>WyperconditioningUclinical</code> phenomenon and basic science opportunity. <i>Dose-Response</i> , 2014 , 12, 650-63	2.3	35	

27	The possible protective role of selenium supplementation on the structure of the heart in an experimental model of chronic renal failure. <i>Egyptian Journal of Histology</i> , 2014 , 37, 197-207	0.8	1
26	Can vitamin C affect the KBrO induced oxidative stress on left ventricular myocardium of adult male albino rats? A histological and immunohistochemical study. <i>Journal of Microscopy and Ultrastructure</i> , 2015 , 3, 120-136	0.9	3
25	Cardiac Fibrosis and Heart Failure: Cause or Effect?. 2015 ,		3
24	Collective transcriptomic deregulation of hypertrophic and dilated cardiomyopathy - Importance of fibrotic mechanism in heart failure. <i>Computational Biology and Chemistry</i> , 2018 , 73, 85-94	3.6	4
23	N-Acetylcysteine prevents the decreases in cardiac collagen I/III ratio and systolic function in neonatal mice with prenatal alcohol exposure. <i>Toxicology Letters</i> , 2019 , 315, 87-95	4.4	4
22	Myofibroblast Phenotype and Reversibility of Fibrosis in Patients With End-Stage Heart Failure. Journal of the American College of Cardiology, 2019 , 73, 2267-2282	15.1	61
21	Cells, Materials, and Fabrication Processes for Cardiac Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 955	5.8	11
20	How His bundle pacing prevents and reverses heart failure induced by right ventricular pacing. <i>Heart Failure Reviews</i> , 2021 , 26, 1311-1324	5	
19	Matrix Metalloproteinases and Myocardial Remodeling in Heart Failure. 2003, 157-189		1
18	Recent Insights into the Role of Tumor Necrosis Factor in the Failing Heart. <i>Developments in Cardiovascular Medicine</i> , 2001 , 3-12		1
17	Myocardial collagen and its functional role. <i>Advances in Experimental Medicine and Biology</i> , 1993 , 346, 291-8	3.6	7
16	Extracellular Matrix Expression, Organization, and Interaction with Heart Myocytes During Development and Disease. 1993 , 97-108		2
15	Structural and Functional Consequences of Myocardial Collagen Remodeling. 1994 , 279-289		7
14	Isolated myocyte contractile function is normal in postinfarct remodeled rat heart with systolic dysfunction. <i>Circulation</i> , 1997 , 96, 3974-84	16.7	82
13	Noninvasive measurement of shortening in the fiber and cross-fiber directions in the normal human left ventricle and in idiopathic dilated cardiomyopathy. <i>Circulation</i> , 1997 , 96, 535-41	16.7	135
12	Dynamic Regulation of the Extracellular Matrix After Mechanical Unloading of the Failing Human Heart. <i>Circulation</i> , 2001 , 104, 1089-1091	16.7	19
11	Disruption of the myocardial extracellular matrix leads to cardiac dysfunction. <i>Journal of Clinical Investigation</i> , 2000 , 106, 857-66	15.9	205
10	Dilatative Kardiomyopathie (DCM) Morphologie und E iologie. Myokarditis und DCM. <i>Spezielle Pathologische Anatomie</i> , 2000 , 929-1053		

CITATION REPORT

- 9 Dilated Cardiomyopathies and Congestive Heart Failure. *Progress in Experimental Cardiology*, **2003**, 35-65
- 8 Molecular Analysis of Heart Failure and Remodeling. **2007**, 441-469
- 7 Cardiac Remodeling and Cell Death in Heart Failure. **2010**, 213-231
- Progressive Ventricular Dilatation in Heart Failure: The Role of Myocardial Collagenase. Developments in Cardiovascular Medicine, **1995**, 261-273
- Improved Preservation of Myocardial Ultrastructure in Perfusion-Fixed Human Heart Explants.

 Developments in Cardiovascular Medicine, 1995, 129-141
- Extracellular Matrix and Cardiac Disease: Surgical and Scientific Perspectives. **2015**, 323-346
- Structural Remodeling in the Development of Chronic Systolic Heart Failure: Implication for Treatment. **2017**, 247-265
- Remodeling of human myocardial collagen in idiopathic dilated cardiomyopathy. Role of
 metalloproteinases and pyridinoline cross-links. *American Journal of Pathology*, **1996**, 148, 1639-48

 5.8

 177
- Extracellular matrix arrangement in the papillary muscles of the adult rat heart. Alterations after doxorubicin administration and experimental hypertension. *Basic Research in Cardiology*, **1994**, 89, 279-921.8 13