

## APPENDIX II

### Publications of *CRC Transregio 19 Center* Researchers

sorted by descending Impact Factor IF, review and guideline articles marked by *italics*

First Author(s)	Title	Journal	IF	Ref
Bock	Human Parvovirus B19-Myocarditis: Quantitative Assessment of Viral Loads	<b>New Engl J Med</b> 2010; 362: 1248-49	53.408	1
Seifert	Immunoproteasomes preserve protein homeostasis upon interferon-induced oxidative stress	<b>Cell</b> 2010; 142: 613-24	32.406	2
Ebstein/ Voigt	Immunoproteasomes are important for proteostasis in immune responses	<b>Cell</b> 2013; 152: 935-7	31.957	3
Rudolph	Myeloperoxidase acts as a profibrotic mediator of atrial fibrillation	<b>Nat Med</b> 2010; 16: 470-4	27.120	4
Honke	Enforced virus replication activates adaptive immunity and is essential to control cytopathic virus	<b>Nat Immunol</b> 2011; 13: 51-7	25.600	5
Guo	RBM20, a gene for hereditary cardiomyopathy, regulates titin splicing	<b>Nat Med</b> 2012;18: 766-7	25.430	6
Lisewski	The tight junction protein CAR regulates cardiac conduction and cell-cell communication	<b>J Exp Med</b> 2008; 205: 2369-79	15.463	7
Valaperti	Innate immune interleukin-1 receptor-associated kinase 4 exacerbates viral myocarditis by reducing CCR5(+) CD11b(+) monocyte migration and impairing interferon production.	<b>Circulation</b> 2013; 128: 1542-54	15.202	8
Pinkert	Prevention of cardiac dysfunction in acute coxsackievirus B3 cardiomyopathy by inducible expression of a soluble coxsackievirus-adenovirus receptor	<b>Circulation</b> 2009; 120: 2358-66	14.816	9
Stellos	Platelet-derived stromal cell-derived factor-1 regulates adhesion and promotes differentiation of human CD34+ cells to endothelial progenitor cells	<b>Circulation</b> 2008; 117: 206-15	14.816	10
Suckau	Long-term cardiac-targeted RNA interference for the treatment of heart failure restores cardiac function and reduces pathological hypertrophy	<b>Circulation</b> 2009; 119: 1241-52	14.816	11
Swinnen	Absence of thrombospondin-2 causes age-related dilated cardiomyopathy	<b>Circulation</b> 2009; 120:1585-1597	14.816	12
Van Linthout	Human apolipoprotein A-I gene transfer reduces the development of experimental diabetic cardiomyopathy	<b>Circulation</b> 2008; 117: 1563-73	14.816	13
Holzmann	Complication rate of right ventricular endomyocardial biopsy via the femoral approach: a retrospective and prospective study analyzing 3048 diagnostic procedures over an 11-year period	<b>Circulation</b> 2008; 118: 1722-8	14.595	14
Kaschina	Angiotensin II type 2 receptor stimulation: a novel option of therapeutic interference with the renin-angiotensin system in myocardial infarction?	<b>Circulation</b> 2008; 118: 2523-32	14.595	15
Kasner	Utility of Doppler echocardiography and tissue Doppler imaging in the estimation of diastolic function in heart failure with normal ejection fraction	<b>Circulation</b> 2007; 116: 637-4	14.595	16
Westermann	Biglycan is required for adaptive remodeling after myocardial infarction	<b>Circulation</b> 2008; 117: 1269-76	14.595	17
Westermann	Role of left ventricular stiffness in heart failure with normal ejection fraction	<b>Circulation</b> 2008; 117: 2051-60	14.595	18

Ungerer	Novel antiplatelet drug revacept (Dimeric Glycoprotein VI-Fc) specifically and efficiently inhibited collagen-induced platelet aggregation without affecting general hemostasis in humans	<b>Circulation</b> 2011; 123: 1891-9	14.432	19
Rother	Matricellular signaling molecule CCN1 attenuates experimental autoimmune myocarditis by acting as a novel immune cell migration modulator	<b>Circulation</b> 2010; 122: 2688-98	14.429	20
Westermann	Reduced degradation of the chemokine MCP-3 by Matrix Metalloproteinase-2 exacerbates myocardial inflammation in experimental viral cardiomyopathy	<b>Circulation</b> 2011; 124: 2082-93	14.429	21
Yilmaz	Comparative evaluation of left and right ventricular endomyocardial biopsy: differences in complication rate and diagnostic performance	<b>Circulation</b> 2010; 122: 900-9	14.429	22
Ziegler	The bispecific SDF1-GPVI fusion protein preserves myocardial function after transient ischemia in mice	<b>Circulation</b> 2012, EPub Jan 5	14.429	23
Kasner	Diastolic tissue Doppler indexes correlate with the degree of collagen expression and cross-linking in heart failure and normal ejection fraction	<b>J Am Coll Cardiol</b> 2011; 57:977-85	14.292	24
Kühl	Interferon- $\beta$ Improves Survival in Enterovirus-Associated Cardiomyopathy	<b>J Am Coll Cardiol</b> 2012; 60: 1295-6	14.292	25
Ameling	Myocardial gene expression profiles and cardiodepressant autoantibodies predict response of patients with dilated cardiomyopathy to immunoadsorption therapy	<b>Eur Heart J</b> 2013; 34: 666-675	14.097	26
Caforio	Current state of knowledge on aetiology, diagnosis, management, and therapy of myocarditis: a position statement of the European Society of Cardiology Working Group on Myocardial and Pericardial Diseases	<b>Eur Heart J</b> 2013; 34: 2636-48	14.097	27
Lassner/ Kühl	Improved diagnosis of idiopathic giant cell myocarditis and cardiac sarcoidosis by myocardial gene expression profiling.	<b>Eur Heart J</b> 2014, EPub Mar 24	14.097	28
Meder	A genome-wide association study identifies 6p21 as novel risk locus for dilated cardiomyopathy.	<b>Eur Heart J</b> 2013, Epub Jul 12.	14.097	29
Skurk	Mononuclear cell secretome in autoimmune myocarditis.	<b>Eur Heart J</b> 2013, EPub Mar 19.	14.097	30
Tschöpe	Can speckle-tracking imaging improve the reliability of echocardiographic parameters for outcome evaluation in clinical trials?	<b>Eur Heart J</b> 2014; 35: 605-7.	14.097	31
Paulus	A novel paradigm for heart failure with preserved ejection fraction: comorbidities drive myocardial dysfunction and remodeling through coronary microvascular endothelial inflammation.	<b>J Am Coll Cardiol</b> 2013; 62: 263-71.	14.086	32
Weithauser	Protease-activated receptor-2 regulates the innate immune re-sponse to viral infection in a Coxsackievirus B3-induced myocarditis	<b>J Am Coll Cardiol</b> 2013; 62: 1737-45.	14.086	33
Cooper	AHA/ACCF/ESC Joint Scientific Statement: The Role of Endomyocardial Biopsy in the Management of Cardiovascular Disease.	<b>Circulation</b> 2007; 116:2216-2233.	12.755	34
Walther	Accelerated mitochondrial adenosine diphosphate/adenosine triphosphate transport improves hypertension-induced heart disease.	<b>Circulation</b> 2007; 115:333-44.	12.755	35
Shi	Cardiac deletion of the Coxsackievirus-adenovirus-receptor abolishes CVB3 infection and prevents myocarditis in vivo	<b>J Am Coll Cardiol</b> 2009; 7; 53: 1219-26	12.595	36
Grün	Long-Term Follow-Up of Biopsy-Proven Viral Myocarditis: Predictors of Mortality and Incomplete Recovery	<b>J Am Coll Cardiol</b> 2012, EPub Feb 9	12.530	37
Kindermann	<i>Update on myocarditis</i>	<b>J Am Coll Cardiol</b> 2012; 59: 779-92	12.530	38
Poller	<i>Cardiovascular RNA Interference Therapy: The Broadening Tool and Target Spectrum</i>	<b>Circ Res</b> 2013; 113; 588-602	11.861	39
Kuhl	Viral persistence in the myocardium is associated with progressive cardiac dysfunction.	<b>Circulation</b> 2005; 112:1965-70.	11.632	40

Kühl	High prevalence of viral genomes and multiple viral infections in the myocardium of adults with "idiopathic" left ventricular dysfunction.	<b>Circulation</b> 2005; 111:887-93.	11.632	41
Tschöpe/ Bock	High prevalence of cardiac Parvovirus B19 infection in patients with isolated left ventricular diastolic dysfunction.	<b>Circulation</b> 2005; 111:879-886.	11.632	42
Vallbracht	Differential aspects on endothelial function of the coronary microcirculation considering myocardial virus persistence, endothelial activation and myocardial leukocyte infiltrates.	<b>Circulation</b> 2005; 111: 1784-91.	11.632	43
Staudt	Fc(gamma) receptors IIa on cardiomyocytes and their potential functional relevance in dilated cardiomyopathy. .	<b>J Am Coll Cardiol</b> 2007; 49:1684-92.	11.054	44
Grube	Uptake of cardiovascular drugs into the human heart: expression, regulation, and function of the carnitine transporter OCTN2	<b>Circulation</b> 2006; 113: 1114-1122.	10.940	45
Borst	The serum- and glucocorticoid-inducible kinase 1 (SGK1) influences platelet calcium signaling and function by regulation of Orai1 expression in megakaryocytes	<b>Blood</b> 2011 Oct 26	10.558	46
Bobbert	Adiponectin expression in patients with inflammatory cardiomyopathy indicates favourable outcome and inflammation control	<b>Eur Heart J</b> 2011; 32:1134-47	10.082	47
Geisler	Early but not late stent thrombosis is influenced by residual platelet aggregation in patients undergoing coronary interventions	<b>Eur Heart J</b> 2010; 31: 59-66	10.082	48
Schultheiss	<i>The management of myocarditis</i>	<b>Eur Heart J</b> 2011; 32: 2616-25	10.082	49
Van Linthout	Mesenchymal stem cells improve murine acute coxsackievirus B3-induced myocarditis	<b>Eur Heart J</b> 2011; 32: 2168-78	10.082	50
Schmidt	EMMPRIN (CD147) is a novel receptor on platelets, activates platelets and augments NF-kB-dependent inflammation in monocytes	<b>Circ Res</b> 2008; 102: 302-9	9.989	51
DaSilva	Titin visualization in real-time re-veals and unexpected level of mobility within and between sarcomeres	<b>J Cell Biol</b> 2011; 193: 785-98.	9.921	52
Baccouche	Diagnostic synergy of non-invasive cardiovascular magnetic resonance and invasive endomyocardial biopsy in troponin-positive patients without coronary artery disease	<b>Eur Heart J</b> 2009; 30: 2869-79	9.800	53
Stellos	Expression of stromal-cell-derived factor-1 on circulating platelets is increased in patients with acute coronary syndrome and correlates with the number of CD34+ progenitor cells	<b>Eur Heart J</b> 2009; 30: 584-93	9.800	54
Zeibig	Effect of the oxLDL binding protein Fc-CD68 on plaque extension and vulnerability in atherosclerosis	<b>Circ Res</b> 2011; 108: 695-703	9.504	55
Szotowski	Procoagulant soluble tissue factor is released from endothelial cells in response to inflammatory cytokines.	<b>Circ Res</b> 2005; 96: 1233-9.	9.408	56
Eisenreich	Cdc2-like kinases and DNA topoisomerase I regulate alternative splicing of tissue factor in human endothelial cells	<b>Circ Res</b> 2009; 104, 589-99	9.214	57
Granzier	Truncation of Titin's Elastic PEVK Region Leads to Cardiomyopathy With Diastolic Dysfunction	<b>Circ Res</b> 2009; 11; 105: 557-64	9.214	58
Szalay	Osteopontin: a fibrosis-related marker molecule in cardiac remodeling of enterovirus myocarditis in the susceptible host	<b>Circ Res</b> 2009; 104: 851-9	9.214	59
Szotowski	Alterations in myocardial tissue factor expression and cellular localization in dilated cardiomyopathy.	<b>J Am Coll Cardiol</b> 2005; 45: 1081-9.	9.200	60
Opitz	Impairment of immunoproteasome function by beta5i/LMP7 subunit deficiency results in severe enterovirus myocarditis	<b>PLoS Pathogens</b> 2011; 7: e1002233	9.079	61
Elvers	Intracellular cyclophilin A is an important Ca(2+) regulator in platelets and critically involved in arterial thrombus formation	<b>Blood</b> 2012; 120: 1317-26.	9.060	62

Skurk	Description of a local cardiac adiponectin system and its deregulation in dilated cardiomyopathy	<b>Eur Heart J</b> 2008; 29: 1168-80	8.917	63
Westermann	Gene deletion of the kinin receptor B1 attenuates cardiac inflammation and fibrosis during the development of experimental diabetic cardiomyopathy	<b>Diabetes</b> 2009; 58:1373-81	8.889	64
Kruger	Immunoproteasomes at the interface of innate and adaptive immune responses: two faces of one enzyme.	<b>Curr Opin Immunol</b> 2012; 24: 77-83.	8.771	65
Ladhoff	Low immunogenicity of endothelial derivatives from rat embryonic stem cell-like cells	<b>Cell Res</b> 2009; 19: 507-18	8.151	66
<i>Elliott</i>	<i>Classification of the cardiomyopathies: a position statement from the european society of cardiology working group on myocardial and pericardial diseases.</i>	<b>Eur Heart J</b> 2008; 29: 270-6 (Guideline)	7.924	67
Ebstein F	Emerging roles of immunoproteasomes beyond MHC class I antigen processing	<b>Cell Mol Life Sci</b> 2012; 69: 2543-58.	7.847	68
Löbel	CCN1: A Novel Inflammation Regulated Biphasic Immune Cell Migration Modulator	<b>Cell Mol Life Sci</b> 2012; 69: 3101-13	7.847	69
Riad	Pretreatment with statin attenuates the cardiotoxicity of Doxorubicin in mice	<b>Cancer Res</b> 2009; 69: 695-99	7.543	70
Neumann	Glycogen synthase kinase-3? is a mediator of signal-induced RelB degradation	<b>Oncogene</b> 2011; 30: 2485-92	7.414	71
Seizer	Disrupting the EMMPRIN (CD147)-Cyclophilin A Interaction Reduces Infarct Size and Preserves Systolic Function After Myocardial Ischemia and Reperfusion	<b>Arterioscler Thromb Vasc Biol</b> 2011; 31: 1377-86	7.215	72
Stellos	Junctional adhesion molecule A expressed on human CD34+ cells promotes adhesion on vascular wall and differentiation into endothelial progenitor cells	<b>Arterioscler Thromb Vasc Biol</b> 2010; 30: 1127-36	7.215	73
Westermann	Renin inhibition improves cardiac function and remodeling after myocardial infarction independent of blood pressure	<b>Hypertension</b> 2008; 52: 1068-75	6.908	74
Bigalke	Sandwich immunoassay for soluble glycoprotein VI in patients with symptomatic coronary artery disease	<b>Clin Chem</b> 2011; 57: 898-904	6.886	75
Liu	High glucose enhances transient receptor potential channel canonical type 6-dependent calcium influx in human platelets via phosphatidylinositol 3-kinase-dependent pathway	<b>Arterioscler Thromb Vasc Biol</b> 2008; 28: 746-51	6.858	76
Kasner	Simultaneous estimation of NT-proBNP on top to mitral flow Doppler echocardiography as an accurate strategy to diagnose diastolic dysfunction in HFNEF	<b>Int J Cardiol</b> 2011; 149: 23-9	6.802	77
Van Linthout	Vascular-protective effects of high-density lipoprotein include the downregulation of the angiotensin II type 1 receptor	<b>Hypertension</b> 2009; 53: 682-7	6.614	78
Riad	Enhancement of endothelial nitric oxide synthase production reverses vascular dysfunction and inflammation in the hindlimbs of a rat model of diabetes	<b>Diabetologia</b> 2008; 51: 2325-32	6.418	79
Staudt	Fc-gamma-receptor IIa polymorphism and the role of immunoadsorption in cardiac dysfunction in patients with dilated cardiomyopathy	<b>Clin Pharmacol Ther</b> 2010; 87: 452-8	6.378	80
Tardos	SR proteins ASF/SF2 and SRp55 participate in tissue factor biosynthesis in human monocytic cells	<b>J Thromb Haemost</b> 2008; 6: 877-884	6.291	81
Schmidt-Lucke	Interferon-beta modulates endothelial damage in patients with cardiac persistence of human parvovirus B19 infection	<b>J Infect Dis</b> 2010; 201: 936-45	6.288	82
Greulich	CMR imaging predicts death and other adverse events in suspected cardiac sarcoidosis.	<b>JACC Cardiovasc Imaging</b> 2013; 6: 501-11.	6.164	83
Van Linthout	Reduced MMP-2 activity contributes to cardiac fibrosis in experimental diabetic cardiomyopathy	<b>Basic Res Cardiol</b> 2008; 103: 319-27	6.128	84

Voigt	Humoral antiproteasomal autoimmunity in dilated cardiomyopathy	<b>Basic Res Cardiol</b> 2010; 105: 9-18	6.128	85
Voigt	Lack of Evidence for a Pathogenic Role of Proteasome-Directed Autoimmunity in Dilated Cardiomyopathy	<b>Basic Res Cardiol</b> 2010; 105: 557-67	6.128	86
Antoniak	Regulation of cardiomyocyte full-length tissue factor expression and microparticle release under inflammatory conditions in vitro	<b>J Thromb Haemost</b> 2009; 7, 871-8	6.069	87
Seizer	Cyclophilin A and EMMPRIN (CD147) in cardiovascular diseases.	<b>Cardiovasc Res</b> 2014, in press	6.051	88
<i>Poller</i>	<i>Cardiac-targeted delivery of regulatory RNA molecules and genes for the treatment of heart failure</i>	<b>Cardiovasc Res</b> 2010; 86:353-64	6.051	89
Schonberger	The immunoadhesin glycoprotein VI-Fc regulates arterial remodelling after mechanical injury in ApoE-/- mice	<b>Cardiovasc Res</b> 2008; 80: 131-7	6.051	90
Riad	Toll-like receptor-4 modulates survival by induction of left ventricular remodeling after myocardial infarction in mice	<b>J Immunol</b> 2008; 180: 6954-61	6.000	91
Gutberlet	Suspected chronic myocarditis at cardiac MR: diagnostic accuracy and association with immunohistologically detected inflammation and viral persistence	<b>Radiology</b> 2008; 246: 401-9	5.996	92
Ebermann	Impact of myocardial inflammation on cytosolic and mito-chondrial creatine kinase activity and expression	<b>Basic Res Cardiol</b> 2009; 104:247-57	5.973	93
Jenke	Adiponectin protects against Toll-like receptor 4-mediated cardiac inflammation and injury	<b>Cardiovasc Res</b> 2013; 99: 422-31	5.940	94
López	Osteopontin-mediated myocardial fibrosis in heart failure: a role for lysyl oxidase?	<b>Cardiovasc Res</b> 2013; 99: 111-20.	5.940	95
Westermann	Enhancement of the endothelial NO synthase attenuates experimental diastolic heart failure	<b>Basic Res Cardiol</b> 2009, 104: 499-509	5.937	96
Jenke	Adiponectin promotes coxsackievirus B3 myocarditis by suppression of acute anti-viral immune responses.	<b>Basic Res Cardiol</b> 2014; 109: 408	5.904	97
Kuhl	A distinct subgroup of cardiomyopathy patients characterized by transcriptionally active cardiotropic erythrovirus and altered cardiac gene expression.	<b>Basic Res Cardiol</b> 2013; 108: 372	5.904	98
Westermann	Selective PDE5A inhibition with sildenafil rescues left ventricular dysfunction, inflammatory immune response and cardiac remodeling in angiotensin II-induced heart failure in vivo.	<b>Basic Res Cardiol</b> 2012; 107: 308.	5.904	99
Brunner	Enhanced stem cell migration mediated by VCAM-1/VLA-4 interaction improves cardiac function in virus-induced dilated cardiomyopathy	<b>Basic Res Cardiol</b> 2013; 108: 388	5.904	100
Fedorov	Specific CLK Inhibitors from a Novel Chemotype for Regulation of Alternative Splicing	<b>Chem Biol</b> 2011; 18: 67-76	5.838	101
Volzke	Cohort Profile: The Study of Health in Pomerania	<b>Int J Epidemiol</b> 2011; 40: 294-307	5.759	102
Riad	TRIF is a critical survival factor in viral cardiomyopathy	<b>J Immunol</b> 2011; 186: 2561-70	5.745	103
Steinke	Coxsackievirus B3 modulates cardiac ion channels.	<b>FASEB J.</b> 2013; 27: 4108-21.	5.704	104
Jäkel * Kuckelkorn *	Differential interferon responses enhance viral epitope generation by myo-cardial immunoproteasomes in murine enterovirus myocarditis	<b>Am J Pathol</b> 2009; 175: 510-18	5.673	105
Lurz	Diagnostic Performance of CMR Imaging Compared With EMB in Patients With Suspected Myocarditis	<b>JACC – Cardiovasc Imag</b> 2012; 5: 513–24	5.528	106

Kasner	The utility of speckle tracking imaging in the diagnostic of acute myocarditis, as proven by endomyocardial biopsy	<b>Int J Cardiol</b> 2013; 168: 3023-4	5.509	107
Kühl	Adenine nucleotide translocase 1 expression affects enterovirus infection in human and murine hearts.	<b>Int J Cardiol</b> 2014; 172: e449-52.	5.509	108
Lassner	CCR5del32 polymorphism is a protective factor in non-ischemic cardiomyopathy	<b>Int J Cardiol</b> 2014, EPub Mar 21	5.509	109
Seizer	EMMPRIN and its ligand Cyclophilin A as novel diagnostic markers in inflammatory cardiomyopathy.	<b>Int J Cardiol</b> 2013;163:299-304.	5.509	110
Seizer	Left ventricular site-directed biopsy guided by left ventricular voltage mapping: A proof of principle.	<b>Int J Cardiol</b> 2013, Epub.	5.509	111
Riad	Initial white blood cell count is an independent risk factor for survival in patients with dilated cardiomyopathy	<b>Int J Cardiol</b> 2013; 168: 1207-13	5.509	112
Seizer	Left ventricular site-directed biopsy guided by left ventricular voltage mapping: a proof of principle	<b>Int J Cardiol</b> 2013; 168: 3113-4.	5.509	113
Bobbert	Globular adiponectin but not full-length adiponectin induces increased procoagulability in human endothelial cells	<b>J Mol Cell Cardiol</b> 2008; 44: 388-94	5.499	114
Westermann	Immunomodulation and matrix metalloproteinases in viral myocarditis	<b>J Mol Cell Cardiol</b> 2010; 48: 468-73	5.499	115
Hammer	Characterization of the human myocardial proteome in inflammatory dilated cardiomyopathy by label-free quantitative shotgun proteomics of heart biopsies	<b>J Prot Res</b> 2011, 10: 2161-71	5.460	116
Köck	Rapid modulation of the organic anion transporting polypeptide 2B1 (OATP2B1, SLCO2B1) function by protein kinase C-mediated internalization	<b>J Biol Chem</b> 2010; 285: 11336-47	5.328	117
Duechting	Human Parvovirus B19 NS1 Protein Modulates Inflammatory Signaling by Activation of STAT3/PIAS3 in Human Endothelial Cells	<b>J Virol</b> 2008, 82: 7942-52	5.308	118
Weinzierl	Effective chemokine secretion by dendritic cells and expansion of cross-presenting CD4-/CD8+ dendritic cells define a protective phenotype in the mouse model of coxsackievirus myocarditis	<b>J Virol</b> 2008; 82: 8149-60	5.308	119
Bobbert	High leptin and resistin expression in chronic heart failure: adverse outcome in patients with dilated and inflammatory cardiomyopathy	<b>Eur J Heart Fail</b> 2012; 14: 1265-75.	5.247	120
Zürn	Cyclophilin A predicts clinical outcome in patients with congestive heart failure undergoing endomyocardial biopsy.	<b>Eur J Heart Fail</b> 2013; 15: 176-84.	5.247	121
Debdab	Design, synthesis and biological evaluation of leucettines, a class of potent CLK and DYRK kinases inhibitors derived from the marine sponge leucettamine B. Modulation of alternative splicing	<b>J Med Chem</b> 2011; 54: 4172-4186	5.207	122
Grube	Selective regulation of cardiac organic cation transporter novel type 2 (OCTN2) in dilated cardiomyopathy	<b>Am J Pathol</b> 2011; 178: 2547-59	5.200	123
Daub	Inhibition of foam cell formation using a soluble CD68-Fc fusion protein	<b>J Mol Med</b> 2010; 88: 909-20	5.192	124
Kraemer	PI3 kinase-dependent stimulation of platelet migration by stromal cell-derived factor 1 (SDF-1)	<b>J Mol Med</b> 2010; 88: 1277-88	5.192	125
Langer	Capture of endothelial progenitor cells by a bispecific protein/monoclonal antibody molecule induces reendothelialization of vascular lesions	<b>J Mol Med</b> 2010; 88: 687-99	5.192	126
Van Linthout	Down-regulation of endothelial TLR4 signalling after apo A-I gene transfer contributes to improved survival in an experimental model of lipopolysaccharide-induced inflammation	<b>J Mol Med</b> 2011; 89: 151-60	5.192	127
Fechner	Cardiac-targeted RNA interference mediated by an AAV9 vector improves cardiac function in coxsackievirus B3 cardiomyopathy	<b>J Mol Med</b> 2008; 86: 987-97	5.189	128

Pinkert	Virus host co-evolution in a persistent CVB3 infected cardiomyocyte cell line	<b>J Virol</b> 2011; 85: 13409-19	5.189	129
Wittchen/ Suckau	Genomic Expression Profiling of Human Inflammatory Cardiomyopathy Suggests Novel Therapeutic Targets.	<b>J Mol Med</b> 2007; 85: 253-267	5.157	130
Tank/ Lindner	Single-target RNA interference for the blockade of multiple interacting proinflammatory and profibrotic pathways in cardiac fibroblasts	<b>J Mol Cell Cardiol</b> 2014; 66: 141-56	5.148	131
Antoniak	Viral Myocarditis is a hypercoagulative state. Increased tissue factor expression and plasma thrombogenicity	<b>J Mol Cell Cardiol</b> 2008; 45, 118-26	5.065	132
Seizer	Cyclophilin A affects inflammation, virus elimination and myocardial fibrosis in coxsackievirus B3-induced myocarditis	<b>J Mol Cell Cardiol</b> 2012; 53: 6-14	5.065	133
Herda	Effects of immunoadsorption and subsequent immunoglobulin G substitution on cardiopulmonary exercise capacity in patients with dilated cardiomyopathy	<b>Am Heart J</b> 2010; 159: 809-16	5.052	134
Fischer	<i>CAR-diology - A virus receptor in the healthy and diseased heart</i>	<b>J Mol Med</b> 2009; 87: 879-84	5.004	135
Gramlich	Stress-induced dilated cardiomyopathy in a knock-in mouse model mimicking human titin-based disease	<b>Mol Cell Cardiol</b> 2009; 47: 352-8	4.965	136
Poller	<i>Endogenous migration modulators as parent compounds for the development of novel cardiovascular and antiinflammatory drugs</i>	<b>Br J Pharmacol</b> 2012; 165: 2044-58	4.952	137
Rahnefeld	Antigen-presentation capacity of dendritic cells is impaired in ongoing enterovirus myocarditis	<b>Eur J Immunol</b> 2011, EPub Jun 1	4.952	138
Wilk	Adiponectin is a negative regulator of antigen-activated T cells	<b>Eur J Immunol</b> 2011, EPub ...	4.942	139
Bhonde	Mismatch repair system decreases cell survival by stabilizing the tetraploid G1 arrest in response to SN-38	<b>Int J Cancer</b> 2010; 126: 2813-25	4.926	140
Fecker	Efficient melanoma cell killing and reduced melanoma growth in mice by a selective replicating adenovirus armed with tumor necrosis factor-related apoptosis-inducing ligand	<b>Hum Gene Ther</b> 2011; 22: 405-17	4.829	141
Hammer	Viral Myocarditis Induced by Coxsackievirus B3 in A.BY/SnJ mice: Analysis of changes in the myocardial proteome	<b>Proteomics</b> 2010, 10: 1802-18	4.815	142
Nishtala	Virus- induced dilated cardiomyopathy is characterized by increased levels of fibrotic extracellular matrix proteins and reduced amounts of energy producing enzymes	<b>Proteomics</b> 2011, 11: 4310-20	4.815	143
Raddatz	A proteome map of murine heart and skeletal muscle	<b>Proteomics</b> 2008; 8: 1885-97.	4.815	144
Spillmann	<i>High-density lipoprotein-raising strategies: update 2010</i>	<b>Curr Pharm Des</b> 2010; 16: 1517-30	4.774	145
Lang C.	Connective tissue growth factor: a crucial cytokine-mediating cardiac fibrosis in ongoing enterovirus myocarditis	<b>J Mol Med</b> 2008; 86:49-60	4.730	146
Escher	Development of diastolic heart failure in a 6-year follow-up study in patients after acute myocarditis	<b>Heart</b> 2011; 97: 709-14	4.706	147
Escher	Fractalkine in human inflammatory cardiomyopathy	<b>Heart</b> 2011; 97: 733-9	4.706	148
Seizer	CXCL16 is a novel scavenger receptor on platelets and is associated with acute coronary syndrome	<b>Thromb Haemost</b> 2011; 105: 1112-4	4.701	149
Seizer	EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction	<b>Thromb Haemost</b> 2009; 101: 682-6	4.701	150
Riad	Variants of Toll-like receptor 4 predict cardiac recovery in patients with dilated cardiomyopathy.	<b>J Biol Chem</b> 2012; 287: 27236-	4.651	151

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Geisler	microRNA122-regulated transgene expression increases specificity of cardiac gene transfer upon intravenous delivery of AAV9 vectors	<b>Gene Ther</b> 2011; 18: 199-209	4.538	152
Deubner	Cardiac beta1-adrenoceptor autoantibodies in human heart disease: rationale and design of the Etiology, Titre-Course, and Survival (ETiCS) Study	<b>Eur J Heart Fail</b> 2010; 12: 753-62	4.512	153
Noutsias	Expression of functional T-cell markers and T-cell receptor Vb repertoire in endomyo-cardial biopsies from patients presenting with acute myocarditis and dilated cardiomyopathy	<b>Eur J Heart Fail</b> 2011; 13: 611-8	4.512	154
Yilmaz	Role of cardiovascular magnetic resonance imaging (CMR) in the diagnosis of acute and chronic myocarditis.	<b>Heart Fail Rev</b> 2013; 18: 747-760	4.453	155
Eckstein	Inhibition of adenovirus infections by siRNA-mediated silencing of early and late adenoviral gene functions	<b>Antiviral Res</b> 2010; 8: 86-94	4.439	156
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Streitz	NS1 specific CD8+ T-cells with effector function and TRBV11 dominance in a patient with parvovirus B19 associated inflammatory cardiomyopathy	<b>PLoS One</b> 2008; 3: e2361	4.351	160
Westermann	Cardiac inflammation contributes to changes in the extracellular matrix in patients with heart failure and normal ejection fraction	<b>Circ Heart Fail</b> 2011; 4: 44-52	4.315	161
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Savvatis	Mesenchymal stromal cells but not cardiac fibroblasts exert beneficial systemic immunomodulatory effects in experimental myocarditis.	<b>PLoS One</b> 2012; 7: e41047.	3.730	180
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**Patents** (partial listing)

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Inventors: Poller, Hajjar, Fechner  
SFB Projects: C5, C1  
Title: RNA Interference for the treatment of heart failure  
Nanocor Ref: NANO1100-1WO

US Patent Application: Serial No. 13/450,392, Int'l Filing Date: April 18, 2012  
Inventors: Fechner, Geisler  
SFB Projects: C5, C1  
Title: MicroRNA target site for cell- or tissue-specific modulation of expression of a transgene

US Patent Application: PCT/EP2008/009058  
Inventors: Fechner, Pinkert, Werk, Kurreck  
SFB Projects: C5, C1  
Title: Viral vector system, a composition comprising the viral vector system and its use

US Patent Application: PCT/EP2007/064637  
Inventors: Fechner, Kurreck, Prömel  
SFB Projects: C5, C1  
Title: Polynucleotide Sequence for the Inhibition of Phospholamban Synthesis.

German Patent Application: 10 '2010 010 288.1  
Inventors: Poller, Scheibenbogen  
SFB Projects: C5  
Title: CCN1 zur Prävention und Therapie von entzündlichen Erkrankungen