Thomas Thum

List of Publications by Citations

409 papers	28,846 citations	85 h-index	160 g-index
467 ext. papers	34,250 ext. citations	8.6 avg, IF	7.41 L-index

#	Paper	IF	Citations
409	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
408	MicroRNA-21 contributes to myocardial disease by stimulating MAP kinase signalling in fibroblasts. *Nature*, **2008**, 456, 980-4	50.4	1850
407	Non-coding RNAs in Development and Disease: Background, Mechanisms, and Therapeutic Approaches. *Physiological Reviews*, **2016**, 96, 1297-325	47.9	957
406	MicroRNAs in the human heart: a clue to fetal gene reprogramming in heart failure. *Circulation*, **2007**, 116, 258-67	16.7	752
405	Cardiac fibroblast-derived microRNA passenger strand-enriched exosomes mediate cardiomyocyte hypertrophy. *Journal of Clinical Investigation*, **2014**, 124, 2136-46	15.9	617
404	Circulating long noncoding RNA, LIPCAR, predicts survival in patients with heart failure. *Circulation Research*, **2014**, 114, 1569-75	15.7	448
403	LDL cholesterol upregulates synthesis of asymmetrical dimethylarginine in human endothelial cells: involvement of S-adenosylmethionine-dependent methyltransferases. *Circulation Research*, **2000**, 87, 99-105	15.7	422
402	Regulation and function of miRNA-21 in health and disease. *RNA Biology*, **2011**, 8, 706-13	4.8	412
401	The miRNA-212/132 family regulates both cardiac hypertrophy and cardiomyocyte autophagy. *Nature Communications*, **2012**, 3, 1078	17.4	406
400	Effect of intravenous iron sucrose on exercise tolerance in anemic and nonanemic patients with symptomatic chronic heart failure and iron deficiency FERRIC-HF: a randomized, controlled, observer-blinded trial. *Journal of the American College of Cardiology*, **2008**, 51, 103-12	15.1	363
399	Endothelial nitric oxide synthase uncoupling impairs endothelial progenitor cell mobilization and function in diabetes. *Diabetes*, **2007**, 56, 666-74	0.9	329
398	Exosomes: new players in cell-cell communication. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 2060-4	5.6	315
397	MicroRNA-24 regulates vascularity after myocardial infarction. *Circulation*, **2011**, 124, 720-30	16.7	305
396	Diagnostic and prognostic impact of six circulating microRNAs in acute coronary syndrome. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 872-5	5.8	291
395	Long noncoding RNAs and microRNAs in cardiovascular pathophysiology. *Circulation Research*, **2015**, 116, 751-62	15.7	281
394	MicroRNAs: novel regulators in cardiac development and disease. *Cardiovascular Research*, **2008**, 79, 562-70	9.9	272
393	Long noncoding RNA Chast promotes cardiac remodeling. *Science Translational Medicine*, **2016**, 8, 326ra22	17.5	250

392	Circulating Noncoding RNAs as Biomarkers of Cardiovascular Disease and Injury. *Circulation Research*, **2017**, 120, 381-399	15.7	240
391	Long noncoding RNAs in cardiac development and ageing. *Nature Reviews Cardiology*, **2015**, 12, 415-25	14.8	240
390	Age-dependent impairment of endothelial progenitor cells is corrected by growth-hormone-mediated increase of insulin-like growth-factor-1. *Circulation Research*, **2007**, 100, 434-43	15.7	239
389	Transforming growth factor-□-induced endothelial-to-mesenchymal transition is partly mediated by microRNA-21. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 361-9	9.4	221
388	Circulating microRNAs as biomarkers and potential paracrine mediators of cardiovascular disease. *Circulation: Cardiovascular Genetics*, **2010**, 3, 484-8		221
387	Long noncoding RNAs in kidney and cardiovascular diseases. *Nature Reviews Nephrology*, **2016**, 12, 360-73	14.9	220
386	Suppression of endothelial progenitor cells in human coronary artery disease by the endogenous nitric oxide synthase inhibitor asymmetric dimethylarginine. *Journal of the American College of Cardiology*, **2005**, 46, 1693-701	15.1	202
385	Myocardial fibrosis: biomedical research from bench to bedside. *European Journal of Heart Failure*, **2017**, 19, 177-191	12.3	195
384	MicroRNA-21: from cancer to cardiovascular disease. *Current Drug Targets*, **2010**, 11, 926-35	3	194
383	Inhibition of the Cardiac Fibroblast-Enriched lncRNA Prevents Cardiac Fibrosis and Diastolic Dysfunction. *Circulation Research*, **2017**, 121, 575-583	15.7	190
382	Non-coding RNAs in cardiac remodeling and heart failure. *Circulation Research*, **2013**, 113, 676-89	15.7	190
381	Macrophage microRNA-155 promotes cardiac hypertrophy and failure. *Circulation*, **2013**, 128, 1420-32	16.7	190
380	Role of miR-21 in the pathogenesis of atrial fibrosis. *Basic Research in Cardiology*, **2012**, 107, 278	11.8	185
379	Circulating endothelial progenitor cells in patients with Eisenmenger syndrome and idiopathic pulmonary arterial hypertension. *Circulation*, **2008**, 117, 3020-30	16.7	184
378	MicroRNAs as mediators and therapeutic targets in chronic kidney disease. *Nature Reviews Nephrology*, **2011**, 7, 286-94	14.9	175
377	MiR-378 controls cardiac hypertrophy by combined repression of mitogen-activated protein kinase pathway factors. *Circulation*, **2013**, 127, 2097-106	16.7	174
376	Effects of physical exercise on myocardial telomere-regulating proteins, survival pathways, and apoptosis. *Journal of the American College of Cardiology*, **2008**, 52, 470-82	15.1	169
375	Non-coding RNAs in cardiovascular diseases: diagnostic and therapeutic perspectives. *European Heart Journal*, **2018**, 39, 2704-2716	9.5	168

374	A signature of circulating microRNAs differentiates takotsubo cardiomyopathy from acute myocardial infarction. *European Heart Journal*, **2014**, 35, 999-1006	9.5	164
373	Circulating miR-210 predicts survival in critically ill patients with acute kidney injury. *Clinical Journal of the American Society of Nephrology: CJASN*, **2011**, 6, 1540-6	6.9	162
372	Gene expression in distinct regions of the heart. *Lancet, The*, **2000**, 355, 979-83	40	162
371	Urinary miR-210 as a mediator of acute T-cell mediated rejection in renal allograft recipients. *American Journal of Transplantation*, **2011**, 11, 2221-7	8.7	155
370	Long Noncoding RNAs in Cardiovascular Pathology, Diagnosis, and Therapy. *Circulation*, **2016**, 134, 1484-1499	16.7	154
369	Short communication: asymmetric dimethylarginine impairs angiogenic progenitor cell function in patients with coronary artery disease through a microRNA-21-dependent mechanism. *Circulation Research*, **2010**, 107, 138-43	15.7	151
368	Circulating microRNAs as potential biomarkers of aerobic exercise capacity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H557-63	5.2	149
367	The dying stem cell hypothesis: immune modulation as a novel mechanism for progenitor cell therapy in cardiac muscle. *Journal of the American College of Cardiology*, **2005**, 46, 1799-802	15.1	148
366	Noncoding RNAs and myocardial fibrosis. *Nature Reviews Cardiology*, **2014**, 11, 655-63	14.8	141
365	Hallmarks of ion channel gene expression in end-stage heart failure. *FASEB Journal*, **2003**, 17, 1592-608	0.9	135
364	MicroRNA signatures differentiate preserved from reduced ejection fraction heart failure. *European Journal of Heart Failure*, **2015**, 17, 405-15	12.3	134
363	MicroRNA therapeutics in cardiovascular medicine. *EMBO Molecular Medicine*, **2012**, 4, 3-14	12	134
362	Resveratrol reverses endothelial nitric-oxide synthase uncoupling in apolipoprotein E knockout mice. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 335, 149-54	4.7	133
361	miR-212 and miR-132 are required for epithelial stromal interactions necessary for mouse mammary gland development. *Nature Genetics*, **2010**, 42, 1101-8	36.3	132
360	Quaking Inhibits Doxorubicin-Mediated Cardiotoxicity Through Regulation of Cardiac Circular RNA Expression. *Circulation Research*, **2018**, 122, 246-254	15.7	129
359	Biogenesis and regulation of cardiovascular microRNAs. *Circulation Research*, **2011**, 109, 334-47	15.7	128
358	Baseline cardiovascular risk assessment in cancer patients scheduled to receive cardiotoxic cancer therapies: a position statement and new risk assessment tools from the Cardio-Oncology Study Group of the Heart Failure Association of the European Society of Cardiology in collaboration with the International Cardio-Oncology Society. *European Journal of Heart Failure*, **2020**, 22, 1945-1960	12.3	127
357	Regulated microRNAs in the CSF of patients with multiple sclerosis: a case-control study. *Neurology*, **2012**, 79, 2166-70	6.5	120

356	Endogenous nitric oxide synthesis inhibitor asymmetric dimethyl L-arginine accelerates endothelial cell senescence. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 1816-22	9.4	118
355	Prevention of liver cancer cachexia-induced cardiac wasting and heart failure. *European Heart Journal*, **2014**, 35, 932-41	9.5	117
354	MicroRNA-22 increases senescence and activates cardiac fibroblasts in the aging heart. *Age*, **2013**, 35, 747-62		116
353	Therapeutic miR-21 Silencing Ameliorates Diabetic Kidney Disease in Mice. *Molecular Therapy*, **2017** , 25, 165-180	11.7	114
352	RNA-based diagnostic and therapeutic strategies for cardiovascular disease. *Nature Reviews Cardiology*, **2019**, 16, 661-674	14.8	113
351	Nfat and miR-25 cooperate to reactivate the transcription factor Hand2 in heart failure. *Nature Cell Biology*, **2013**, 15, 1282-93	23.4	110
350	Circular RNAs in heart failure. *European Journal of Heart Failure*, **2017**, 19, 701-709	12.3	109
349	MicroRNA-24 antagonism prevents renal ischemia reperfusion injury. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 2717-29	12.7	108
348	The continuous heart failure spectrum: moving beyond an ejection fraction classification. *European Heart Journal*, **2019**, 40, 2155-2163	9.5	107
347	SERCA2a gene therapy restores microRNA-1 expression in heart failure via an Akt/FoxO3A-dependent pathway. *European Heart Journal*, **2012**, 33, 1067-75	9.5	107
346	Cardiac myocyte miR-29 promotes pathological remodeling of the heart by activating Wnt signaling. *Nature Communications*, **2017**, 8, 1614	17.4	106
345	Mechanisms underlying recoupling of eNOS by HMG-CoA reductase inhibition in a rat model of streptozotocin-induced diabetes mellitus. *Atherosclerosis*, **2008**, 198, 65-76	3.1	106
344	MicroRNAs in hypertension: mechanisms and therapeutic targets. *Current Hypertension Reports*, **2012**, 14, 79-87	4.7	105
343	Testosterone, cytochrome P450, and cardiac hypertrophy. *FASEB Journal*, **2002**, 16, 1537-49	0.9	105
342	Diabetes-associated microRNAs in pediatric patients with type 1 diabetes mellitus: a cross-sectional cohort study. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E1661-5	5.6	104
341	Circular RNAs: A Novel Class of Functional RNA Molecules with a Therapeutic Perspective. *Molecular Therapy*, **2019**, 27, 1350-1363	11.7	100
340	Towards better definition, quantification and treatment of fibrosis in heart failure. A scientific roadmap by the Committee of Translational Research of the Heart Failure Association (HFA) of the European Society of Cardiology. *European Journal of Heart Failure*, **2019**, 21, 272-285	12.3	99
339	Signal transducer and activator of transcription 3-mediated regulation of miR-199a-5p links cardiomyocyte and endothelial cell function in the heart: a key role for ubiquitin-conjugating enzymes. *European Heart Journal*, **2011**, 32, 1287-97	9.5	99

338	Improvement in left ventricular remodeling by the endothelial nitric oxide synthase enhancer AVE9488 after experimental myocardial infarction. *Circulation*, **2008**, 118, 818-27	16.7	98
337	MicroRNAs in myocardial infarction. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 201-5	9.4	97
336	Circulating long noncoding RNATapSaki is a predictor of mortality in critically ill patients with acute kidney injury. *Clinical Chemistry*, **2015**, 61, 191-201	5.5	96
335	Circulating long-non coding RNAs as biomarkers of left ventricular diastolic function and remodelling in patients with well-controlled type 2 diabetes. *Scientific Reports*, **2016**, 6, 37354	4.9	96
334	Osteopontin is indispensible for AP1-mediated angiotensin II-related miR-21 transcription during cardiac fibrosis. *European Heart Journal*, **2015**, 36, 2184-96	9.5	95
333	A phenotypic screen to identify hypertrophy-modulating microRNAs in primary cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 13-20	5.8	94
332	Epigenetic modifications in cardiovascular disease. *Basic Research in Cardiology*, **2012**, 107, 245	11.8	93
331	Expression of xenobiotic metabolizing enzymes in different lung compartments of smokers and nonsmokers. *Environmental Health Perspectives*, **2006**, 114, 1655-61	8.4	93
330	Impairment of Wound Healing in Patients With Type 2 Diabetes Mellitus Influences Circulating MicroRNA Patterns via Inflammatory Cytokines. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1480-8	9.4	91
329	Bone marrow molecular alterations after myocardial infarction: Impact on endothelial progenitor cells. *Cardiovascular Research*, **2006**, 70, 50-60	9.9	87
328	Comparison of different miR-21 inhibitor chemistries in a cardiac disease model. *Journal of Clinical Investigation*, **2011**, 121, 461-2; author reply 462-3	15.9	87
327	SARS-CoV-2 receptor ACE2-dependent implications on the cardiovascular system: From basic science to clinical implications. *Journal of Molecular and Cellular Cardiology*, **2020**, 144, 47-53	5.8	86
326	Epigenomic and transcriptomic approaches in the post-genomic era: path to novel targets for diagnosis and therapy of the ischaemic heart? Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. *Cardiovascular Research*, **2017**, 113, 725-736	9.9	85
325	MicroRNAs associated with ischemia-reperfusion injury and cardioprotection by ischemic pre- and postconditioning: protectomiRs. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 307, H216-27	5.2	85
324	European Society of Cardiology/Heart Failure Association position paper on the role and safety of new glucose-lowering drugs in patients with heart failure. *European Journal of Heart Failure*, **2020**, 22, 196-213	12.3	85
323	microRNA therapeutics in cardiovascular disease models. *Annual Review of Pharmacology and Toxicology*, **2014**, 54, 185-203	17.9	82
322	Development of Long Noncoding RNA-Based Strategies to Modulate Tissue Vascularization. *Journal of the American College of Cardiology*, **2015**, 66, 2005-2015	15.1	82
321	Circulating miR-133a and miR-423-5p fail as biomarkers for left ventricular remodeling after myocardial infarction. *International Journal of Cardiology*, **2013**, 168, 1837-40	3.2	80

320	Circulating and urinary microRNAs in kidney disease. *Clinical Journal of the American Society of Nephrology: CJASN*, **2012**, 7, 1528-33	6.9	78
319	miRNA screening reveals a new miRNA family stimulating iPS cell generation via regulation of Meox2. *EMBO Reports*, **2011**, 12, 1153-9	6.5	78
318	Preclinical Development of a MicroRNA-Based Therapy for Elderly Patients With Myocardial Infarction. *Journal of the American College of Cardiology*, **2016**, 68, 1557-71	15.1	75
317	Role of cardiovascular imaging in cancer patients receiving cardiotoxic therapies: a position statement on behalf of the Heart Failure Association (HFA), the European Association of Cardiovascular Imaging (EACVI) and the Cardio-Oncology Council of the European Society of Cardiology (ESC). *European Journal of Heart Failure*, **2020**, 22, 1504-1524	12.3	74
316	Searching for new mechanisms of myocardial fibrosis with diagnostic and/or therapeutic potential. *European Journal of Heart Failure*, **2015**, 17, 764-71	12.3	73
315	Targeting myocardial remodelling to develop novel therapies for heart failure: a position paper from the Working Group on Myocardial Function of the European Society of Cardiology. *European Journal of Heart Failure*, **2014**, 16, 494-508	12.3	71
314	Blood-based microRNA signatures differentiate various forms of cardiac hypertrophy. *International Journal of Cardiology*, **2015**, 196, 115-22	3.2	70
313	Cardiovascular importance of the microRNA-23/27/24 family. *Microcirculation*, **2012**, 19, 208-14	2.9	69
312	Critical role of the nitric oxide/reactive oxygen species balance in endothelial progenitor dysfunction. *Antioxidants and Redox Signaling*, **2011**, 15, 933-48	8.4	68
311	Molecular diagnosis of a familial nonhemolytic hyperbilirubinemia (Gilbert's syndrome) in healthy subjects. *Hepatology*, **2000**, 32, 792-5	11.2	68
310	Long Non-coding RNAs: At the Heart of Cardiac Dysfunction?. *Frontiers in Physiology*, **2019**, 10, 30	4.6	68
309	The innate immune system in chronic cardiomyopathy: a European Society of Cardiology (ESC) scientific statement from the Working Group on Myocardial Function of the ESC. *European Journal of Heart Failure*, **2018**, 20, 445-459	12.3	67
308	Accurate quantification of dimethylamine (DMA) in human urine by gas chromatography-mass spectrometry as pentafluorobenzamide derivative: evaluation of the relationship between DMA and its precursor asymmetric dimethylarginine (ADMA) in health and disease. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 851, 229-39	3.2	66
307	Preclinical and Clinical Development of Noncoding RNA Therapeutics for Cardiovascular Disease. *Circulation Research*, **2020**, 126, 663-678	15.7	65
306	Vascular importance of the miR-212/132 cluster. *European Heart Journal*, **2014**, 35, 3224-31	9.5	64
305	MicroRNAs play a role in spontaneous recovery from acute liver failure. *Hepatology*, **2014**, 60, 1346-55	11.2	62
304	Glucocorticoid insensitivity at the hypoxic blood-brain barrier can be reversed by inhibition of the proteasome. *Stroke*, **2011**, 42, 1081-9	6.7	62
303	Differential effects of organic nitrates on endothelial progenitor cells are determined by oxidative stress. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 748-54	9.4	62

302	SLC26A9-mediated chloride secretion prevents mucus obstruction in airway inflammation. *Journal of Clinical Investigation*, **2012**, 122, 3629-34	15.9	62
301	Cellular dedifferentiation of endothelium is linked to activation and silencing of certain nuclear transcription factors: implications for endothelial dysfunction and vascular biology. *FASEB Journal*, **2000**, 14, 740-51	0.9	61
300	Tissue-specific effects of the nuclear factor kappaB subunit p50 on myocardial ischemia-reperfusion injury. *American Journal of Pathology*, **2007**, 171, 507-12	5.8	60
299	Preclinical development of a miR-132 inhibitor for heart failure treatment. *Nature Communications*, **2020**, 11, 633	17.4	59
298	MicroRNAs in Serum and Bile of Patients with Primary Sclerosing Cholangitis and/or Cholangiocarcinoma. *PLoS ONE*, **2015**, 10, e0139305	3.7	59
297	An integrative translational approach to study heart failure with preserved ejection fraction: a position paper from the Working Group on Myocardial Function of the European Society of Cardiology. *European Journal of Heart Failure*, **2018**, 20, 216-227	12.3	59
296	Novel antisense therapy targeting microRNA-132 in patients with heart failure: results of a first-in-human Phase 1b randomized, double-blind, placebo-controlled study. *European Heart Journal*, **2021**, 42, 178-188	9.5	57
295	Complex roads from genotype to phenotype in dilated cardiomyopathy: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. *Cardiovascular Research*, **2018**, 114, 1287-1303	9.9	57
294	Long Noncoding RNAs in Urine Are Detectable and May Enable Early Detection of Acute T Cell-Mediated Rejection of Renal Allografts. *Clinical Chemistry*, **2015**, 61, 1505-14	5.5	56
293	Sodium-glucose co-transporter 2 inhibitors in heart failure: beyond glycaemic control. A position paper of the Heart Failure Association of the European Society of Cardiology. *European Journal of Heart Failure*, **2020**, 22, 1495-1503	12.3	56
292	Plasma circular RNA hsa_circ_0001445 and coronary artery disease: Performance as a biomarker. *FASEB Journal*, **2020**, 34, 4403-4414	0.9	56
291	Growth hormone treatment improves markers of systemic nitric oxide bioavailability via insulin-like growth factor-I. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 4172-9	5.6	56
290	Clostridium difficile toxin A induces expression of the stress-induced early gene product RhoB. *Journal of Biological Chemistry*, **2005**, 280, 1499-505	5.4	56
289	Hypoxia-Induced MicroRNA-212/132 Alter Blood-Brain Barrier Integrity Through Inhibition of Tight Junction-Associated Proteins in Human and Mouse Brain Microvascular Endothelial Cells. *Translational Stroke Research*, **2019**, 10, 672-683	7.8	56
288	Cardiac myocyte-secreted cAMP exerts paracrine action via adenosine receptor activation. *Journal of Clinical Investigation*, **2014**, 124, 5385-97	15.9	52
287	Novel techniques and targets in cardiovascular microRNA research. *Cardiovascular Research*, **2012**, 93, 545-54	9.9	52
286	Senescence-induced inflammation: an important player and key therapeutic target in atherosclerosis. *European Heart Journal*, **2020**, 41, 2983-2996	9.5	52
285	Noncoding RNAs as regulators of cardiomyocyte proliferation and death. *Journal of Molecular and Cellular Cardiology*, **2015**, 89, 59-67	5.8	51

284	Hypoxia-induced long non-coding RNA Malat1 is dispensable for renal ischemia/reperfusion-injury. *Scientific Reports*, **2018**, 8, 3438	4.9	51
283	Mechanistic role of cytochrome P450 monooxygenases in oxidized low-density lipoprotein-induced vascular injury: therapy through LOX-1 receptor antagonism?. *Circulation Research*, **2004**, 94, e1-13	15.7	51
282	Circulating microRNAs and Outcome in Patients with Acute Heart Failure. *PLoS ONE*, **2015**, 10, e0142237	3.7	50
281	MicroRNAs in diabetes and diabetes-associated complications. *RNA Biology*, **2012**, 9, 820-7	4.8	50
280	miR-21 promotes fibrosis in an acute cardiac allograft transplantation model. *Cardiovascular Research*, **2016**, 110, 215-26	9.9	49
279	Microvesicles as novel biomarkers and therapeutic targets in transplantation medicine. *American Journal of Transplantation*, **2012**, 12, 289-97	8.7	49
278	LOX-1 receptor blockade abrogates oxLDL-induced oxidative DNA damage and prevents activation of the transcriptional repressor Oct-1 in human coronary arterial endothelium. *Journal of Biological Chemistry*, **2008**, 283, 19456-64	5.4	49
277	Antiandrogenic therapy with finasteride attenuates cardiac hypertrophy and left ventricular dysfunction. *Circulation*, **2015**, 131, 1071-81	16.7	48
276	MicroRNAs and vascular (dys)function. *Vascular Pharmacology*, **2011**, 55, 92-105	5.9	48
275	Regulation of cardiac and renal ischemia-reperfusion injury by microRNAs. *Free Radical Biology and Medicine*, **2013**, 64, 78-84	7.8	47
274	MicroRNA-mediated epigenetic silencing of sirtuin1 contributes to impaired angiogenic responses. *Circulation Research*, **2013**, 113, 997-1003	15.7	47
273	MicroRNAs targeting the SARS-CoV-2 entry receptor ACE2 in cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2020**, 148, 46-49	5.8	47
272	Regulatory RNAs and paracrine networks in the heart. *Cardiovascular Research*, **2014**, 102, 290-301	9.9	46
271	Cytochrome P450 mono-oxygenase gene expression and protein activity in cultures of adult cardiomyocytes of the rat. *British Journal of Pharmacology*, **2000**, 130, 1745-52	8.6	46
270	Chronic miR-29 antagonism promotes favorable plaque remodeling in atherosclerotic mice. *EMBO Molecular Medicine*, **2016**, 8, 643-53	12	46
269	Inflammatory cells and their non-coding RNAs as targets for treating myocardial infarction. *Basic Research in Cardiology*, **2018**, 114, 4	11.8	45
268	Long Noncoding RNA-Enriched Vesicles Secreted by Hypoxic Cardiomyocytes Drive Cardiac Fibrosis. *Molecular Therapy - Nucleic Acids*, **2019**, 18, 363-374	10.7	44
267	Adrenergic Repression of the Epigenetic Reader MeCP2 Facilitates Cardiac Adaptation in Chronic Heart Failure. *Circulation Research*, **2015**, 117, 622-33	15.7	44

266	Circulating microRNAs for predicting and monitoring response to mechanical circulatory support from a left ventricular assist device. *European Journal of Heart Failure*, **2014**, 16, 871-9	12.3	44
265	Activation of the miR-17 family and miR-21 during murine kidney ischemia-reperfusion injury. *Nucleic Acid Therapeutics*, **2013**, 23, 344-54	4.8	44
264	Impairment of endothelial progenitor cell function and vascularization capacity by aldosterone in mice and humans. *European Heart Journal*, **2011**, 32, 1275-86	9.5	44
263	Growth hormone induces eNOS expression and nitric oxide release in a cultured human endothelial cell line. *FEBS Letters*, **2003**, 555, 567-71	3.8	44
262	Heart Failure Association of the European Society of Cardiology update on sodium-glucose co-transporter 2 inhibitors in heart failure. *European Journal of Heart Failure*, **2020**, 22, 1984-1986	12.3	44
261	Circulating microRNA-132 levels improve risk prediction for heart failure hospitalization in patients with chronic heart failure. *European Journal of Heart Failure*, **2018**, 20, 78-85	12.3	43
260	Circulating non-coding RNAs in biomarker-guided cardiovascular therapy: a novel tool for personalized medicine?. *European Heart Journal*, **2019**, 40, 1643-1650	9.5	43
259	Endogenous Tumor Suppressor microRNA-193b: Therapeutic and Prognostic Value in Acute Myeloid Leukemia. *Journal of Clinical Oncology*, **2018**, 36, 1007-1016	2.2	43
258	Circulating miR-423_5p fails as a biomarker for systemic ventricular function in adults after atrial repair for transposition of the great arteries. *International Journal of Cardiology*, **2013**, 167, 63-6	3.2	42
257	Therapeutic and Diagnostic Translation of Extracellular Vesicles in Cardiovascular Diseases: Roadmap to the Clinic. *Circulation*, **2021**, 143, 1426-1449	16.7	42
256	MicroRNAs in platelet biogenesis and function. *Thrombosis and Haemostasis*, **2012**, 108, 599-604	7	41
255	Patient profiling in heart failure for tailoring medical therapy. A consensus document of the Heart Failure Association of the European Society of Cardiology. *European Journal of Heart Failure*, **2021**, 23, 872-881	12.3	41
254	Intercellular communication lessons in heart failure. *European Journal of Heart Failure*, **2015**, 17, 1091-103	12.3	40
253	Stiff matrix induces switch to pure β-cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. *Basic Research in Cardiology*, **2016**, 111, 68	11.8	39
252	Circulating cardiovascular microRNAs in critically ill COVID-19 patients. *European Journal of Heart Failure*, **2021**, 23, 468-475	12.3	39
251	RNA Profiling in Human and Murine Transplanted Hearts: Identification and Validation of Therapeutic Targets for Acute Cardiac and Renal Allograft Rejection. *American Journal of Transplantation*, **2016**, 16, 99-110	8.7	39
250	Attenuated palmitoylation of serotonin receptor 5-HT1A affects receptor function and contributes to depression-like behaviors. *Nature Communications*, **2019**, 10, 3924	17.4	38
249	Deciphering the microRNA signature of pathological cardiac hypertrophy by engineered heart tissue- and sequencing-technology. *Journal of Molecular and Cellular Cardiology*, **2015**, 81, 1-9	5.8	38

248	TWIST1 regulates the activity of ubiquitin proteasome system via the miR-199/214 cluster in human end-stage dilated cardiomyopathy. *International Journal of Cardiology*, **2013**, 168, 1447-52	3.2	38
247	Circulating microRNAs are not eliminated by hemodialysis. *PLoS ONE*, **2012**, 7, e38269	3.7	37
246	AntimiR-21 Prevents Myocardial Dysfunction in a Pig Model of Ischemia/Reperfusion Injury. *Journal of the American College of Cardiology*, **2020**, 75, 1788-1800	15.1	37
245	No effects of human ghrelin on cardiac function despite profound effects on body composition in a rat model of heart failure. *International Journal of Cardiology*, **2009**, 137, 267-75	3.2	36
244	The XIIIth Banff Conference on Allograft Pathology: The Banff 2015 Heart Meeting Report: Improving Antibody-Mediated Rejection Diagnostics: Strengths, Unmet Needs, and Future Directions. *American Journal of Transplantation*, **2017**, 17, 42-53	8.7	35
243	Induction of nuclear transcription factors, cytochrome P450 monooxygenases, and glutathione S-transferase alpha gene expression in Aroclor 1254-treated rat hepatocyte cultures. *Biochemical Pharmacology*, **2001**, 61, 145-53	6	35
242	Functional Genomics of Cardioprotection by Ischemic Conditioning and the Influence of Comorbid Conditions: Implications in Target Identification. *Current Drug Targets*, **2015**, 16, 904-11	3	35
241	Targeting muscle-enriched long non-coding RNA H19 reverses pathological cardiac hypertrophy. *European Heart Journal*, **2020**, 41, 3462-3474	9.5	35
240	Sonic hedgehog-dependent activation of adventitial fibroblasts promotes neointima formation. *Cardiovascular Research*, **2017**, 113, 1653-1663	9.9	34
239	Non-coding RNAs as modulators of the cardiac fibroblast phenotype. *Journal of Molecular and Cellular Cardiology*, **2016**, 92, 75-81	5.8	34
238	Functional microRNA library screening identifies the hypoxamir miR-24 as a potent regulator of smooth muscle cell proliferation and vascularization. *Antioxidants and Redox Signaling*, **2014**, 21, 1167-76	8.4	34
237	Long Noncoding RNAs in Pathological Cardiac Remodeling. *Circulation Research*, **2017**, 120, 262-264	15.7	33
236	Proteomic Bioprofiles and Mechanistic Pathways of Progression to Heart Failure. *Circulation: Heart Failure*, **2019**, 12, e005897	7.6	33
235	Common mechanistic pathways in cancer and heart failure. A scientific roadmap on behalf of the Translational Research Committee of the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). *European Journal of Heart Failure*, **2020**, 22, 2272-2289	12.3	33
234	Noncoding RNAs in Heart Failure. *Handbook of Experimental Pharmacology*, **2017**, 243, 423-445	3.2	33
233	MicroRNA-Based Therapy of GATA2-Deficient Vascular Disease. *Circulation*, **2016**, 134, 1973-1990	16.7	32
232	Endothelial progenitor cells in pulmonary arterial hypertension. *Trends in Cardiovascular Medicine*, **2010**, 20, 22-9	6.9	32
231	Podocytes regulate the glomerular basement membrane protein nephronectin by means of miR-378a-3p in glomerular diseases. *Kidney International*, **2017**, 92, 836-849	9.9	31

230	Metabolic changes in hypertrophic cardiomyopathies: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. *Cardiovascular Research*, **2018**, 114, 1273-1280	9.9	31
229	Microparticles and microRNAs of endothelial progenitor cells ameliorate acute kidney injury. *Kidney International*, **2012**, 82, 375-7	9.9	31
228	Serum circular RNAs act as blood-based biomarkers for hypertrophic obstructive cardiomyopathy. *Scientific Reports*, **2019**, 9, 20350	4.9	31
227	Non-coding RNAs in cardiovascular ageing. *Ageing Research Reviews*, **2014**, 17, 79-85	12	30
226	Urinary asymmetric dimethylarginine (ADMA) is a predictor of mortality risk in patients with coronary artery disease. *International Journal of Cardiology*, **2012**, 156, 289-94	3.2	30
225	Heart Failure Association of the ESC, Heart Failure Society of America and Japanese Heart Failure Society Position statement on endomyocardial biopsy. *European Journal of Heart Failure*, **2021**, 23, 854-871	12.3	29
224	Increased Proangiogenic Activity of Mobilized CD34+ Progenitor Cells of Patients With Acute ST-Segment-Elevation Myocardial Infarction: Role of Differential MicroRNA-378 Expression. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 341-349	9.4	28
223	Aromatase inhibition attenuates desflurane-induced preconditioning against acute myocardial infarction in male mouse heart in vivo. *PLoS ONE*, **2012**, 7, e42032	3.7	28
222	MicroRNAs as circulating biomarkers for heart failure: questions about MiR-423-5p. *Circulation Research*, **2010**, 106, e8; author reply e9	15.7	28
221	Circulating Long Noncoding RNA LIPCAR Predicts Heart Failure Outcomes in Patients Without Chronic Kidney Disease. *Hypertension*, **2019**, 73, 820-828	8.5	27
220	Natural Compound Library Screening Identifies New Molecules for the Treatment of Cardiac Fibrosis and Diastolic Dysfunction. *Circulation*, **2020**, 141, 751-767	16.7	27
219	MicroRNA 628-5p as a Novel Biomarker for Cardiac Allograft Vasculopathy. *Transplantation*, **2017**, 101, e26-e33	1.8	27
218	A rapid and simple CYP2D6 genotyping assay--case study with the analgetic tramadol. *Metabolism: Clinical and Experimental*, **2003**, 52, 1439-43	12.7	26
217	Mitochondrial long noncoding RNAs as blood based biomarkers for cardiac remodeling in patients with hypertrophic cardiomyopathy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 311, H707-12	5.2	26
216	Verapamil: identification of novel metabolites in cultures of primary human hepatocytes and human urine by LC-MS(n) and LC-NMR. *Xenobiotica*, **2003**, 33, 655-76	2	25
215	Towards standardization of echocardiography for the evaluation of left ventricular function in adult rodents: a position paper of the ESC Working Group on Myocardial Function. *Cardiovascular Research*, **2021**, 117, 43-59	9.9	25
214	CDR132L improves systolic and diastolic function in a large animal model of chronic heart failure. *European Heart Journal*, **2021**, 42, 192-201	9.5	25
213	MicroRNAs in the bile of patients with biliary strictures after liver transplantation. *Liver Transplantation*, **2014**, 20, 673-8	4.5	24

212	Verapamil: metabolism in cultures of primary human coronary arterial endothelial cells. *Drug Metabolism and Disposition*, **2003**, 31, 888-91	4	24
211	Acute coronary syndromes and acute heart failure: a diagnostic dilemma and high-risk combination. A statement from the Acute Heart Failure Committee of the Heart Failure Association of the European Society of Cardiology. *European Journal of Heart Failure*, **2020**, 22, 1298-1314	12.3	23
210	Deregulation of microRNA-181c in cerebrospinal fluid of patients with clinically isolated syndrome is associated with early conversion to relapsing-remitting multiple sclerosis. *Multiple Sclerosis Journal*, **2016**, 22, 1202-14	5	23
209	MicroRNAs regulating superoxide dismutase 2 are new circulating biomarkers of heart failure. *Scientific Reports*, **2017**, 7, 14747	4.9	23
208	Role of microRNAs in immunity and organ transplantation. *Expert Reviews in Molecular Medicine*, **2011**, 13, e37	6.7	23
207	miR-212/132 Cluster Modulation Prevents Doxorubicin-Mediated Atrophy and Cardiotoxicity. *Molecular Therapy*, **2019**, 27, 17-28	11.7	23
206	Non-coding RNAs in vascular disease - from basic science to clinical applications: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. *Cardiovascular Research*, **2018**, 114, 1281-1286	9.9	23
205	GC-MS assay for hepatic DDAH activity in diabetic and non-diabetic rats by measuring dimethylamine (DMA) formed from asymmetric dimethylarginine (ADMA): evaluation of the importance of S-nitrosothiols as inhibitors of DDAH activity in vitro and in vivo in humans. *Journal*	3.2	22
204	Aroclor 1254 modulates gene expression of nuclear transcription factors: implications for albumin gene transcription and protein synthesis in rat hepatocyte cultures. *Toxicology and Applied Pharmacology*, **2002**, 181, 79-88	4.6	22
203	Metabolism of verapamil: 24 new phase I and phase II metabolites identified in cell cultures of rat hepatocytes by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2003**, 798, 265-74	3.2	22
202	Antagonism of profibrotic microRNA-21 improves outcome of murine chronic renal allograft dysfunction. *Kidney International*, **2017**, 92, 646-656	9.9	21
201	Omics phenotyping in heart failure: the next frontier. *European Heart Journal*, **2020**, 41, 3477-3484	9.5	21
200	A large shRNA library approach identifies lncRNA Ntep as an essential regulator of cell proliferation. *Cell Death and Differentiation*, **2018**, 25, 307-318	12.7	21
199	Non-coding RNAs as orchestrators of autophagic processes. *Journal of Molecular and Cellular Cardiology*, **2016**, 95, 26-30	5.8	21
198	Zinc-2-Glycoprotein Exerts Antifibrotic Effects in Kidney and Heart. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 2659-68	12.7	20
197	Increase of pro-inflammatory cytokine expression in non-demyelinating early cerebral lesions in nervous canine distemper. *Viral Immunology*, **2008**, 21, 401-10	1.7	20
196	MicroRNAs in the broken heart. *European Journal of Clinical Investigation*, **2007**, 37, 829-33	4.6	20
195	Detection of early signals of hepatotoxicity by gene expression profiling studies with cultures of metabolically competent human hepatocytes. *Archives of Toxicology*, **2008**, 82, 89-101	5.8	20

194	Verapamil: new insight into the molecular mechanism of drug oxidation in the human heart. *Journal of Chromatography A*, **2002**, 970, 117-30	4.5	20
193	Non-coding RNAs: emerging players in cardiomyocyte proliferation and cardiac regeneration. *Basic Research in Cardiology*, **2020**, 115, 52	11.8	20
192	MicroRNAs in right ventricular (dys)function (2013 Grover Conference series). *Pulmonary Circulation* , **2014**, 4, 185-90	2.7	19
191	miRNAs involved in the generation, maintenance, and differentiation of pluripotent cells. *Journal of Molecular Medicine*, **2012**, 90, 747-52	5.5	19
190	PCBs alter gene expression of nuclear transcription factors and other heart-specific genes in cultures of primary cardiomyocytes: possible implications for cardiotoxicity. *Xenobiotica*, **2002**, 32, 1173-83	2	19
189	Circulating Long Noncoding RNAs in Personalized Medicine: Response to Pioglitazone Therapy in Type 2 Diabetes. *Journal of the American College of Cardiology*, **2016**, 68, 2914-2916	15.1	19
188	Chronic kidney disease induces left ventricular overexpression of the pro-hypertrophic microRNA-212. *Scientific Reports*, **2019**, 9, 1302	4.9	18
187	Non-coding RNAs: update on mechanisms and therapeutic targets from the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. *Cardiovascular Research*, **2020**, 116, 1805-1819	9.9	18
186	Porcine model of progressive cardiac hypertrophy and fibrosis with secondary postcapillary pulmonary hypertension. *Journal of Translational Medicine*, **2017**, 15, 202	8.5	18
185	Regulator of G-Protein Signaling 5 Prevents Smooth Muscle Cell Proliferation and Attenuates Neointima Formation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 317-27	9.4	18
184	MicroRNAs in platelet physiology and pathology. *Hamostaseologie*, **2013**, 33, 17-20	1.9	18
183	MicroRNAs in right ventricular remodelling. *Cardiovascular Research*, **2017**, 113, 1433-1440	9.9	18
182	Remote Welfare Monitoring of Rodents Using Thermal Imaging. *Sensors*, **2018**, 18,	3.8	18
181	Circulating miR-1254 predicts ventricular remodeling in patients with ST-Segment-Elevation Myocardial Infarction: A cardiovascular magnetic resonance study. *Scientific Reports*, **2018**, 8, 15115	4.9	18
180	Inhibition of miRNA-212/132 improves the reprogramming of fibroblasts into induced pluripotent stem cells by de-repressing important epigenetic remodelling factors. *Stem Cell Research*, **2017**, 20, 70-75	1.6	17
179	Endothelial progenitor cell dysfunction: mechanisms and therapeutic approaches. *European Journal of Clinical Investigation*, **2007**, 37, 603-6	4.6	17
178	Cardiac dysfunction in cancer patients: beyond direct cardiomyocyte damage of anticancer drugs: novel cardio-oncology insights from the joint 2019 meeting of the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. *Cardiovascular Research*, **2020**, 116, 1820-1834	9.9	17
177	miRNome Profiling of Purified Endoderm and Mesoderm Differentiated from hESCs Reveals Functions of miR-483-3p and miR-1263 for Cell-Fate Decisions. *Stem Cell Reports*, **2017**, 9, 1588-1603	8	16

176	Cardiac dissonance without conductors: how dicer depletion provokes chaos in the heart. *Circulation*, **2008**, 118, 1524-7	16.7	16
175	Butanedione monoxime increases the viability and yield of adult cardiomyocytes in primary cultures. *Cardiovascular Toxicology*, **2001**, 1, 61-72	3.4	16
174	Non-coding RNAs: key players in cardiac disease. *Journal of Physiology*, **2020**, 598, 2995-3003	3.9	16
173	Bioinformatics of cardiovascular miRNA biology. *Journal of Molecular and Cellular Cardiology*, **2015**, 89, 3-10	5.8	15
172	Cardiomyocyte ageing and cardioprotection: consensus document from the ESC working groups cell biology of the heart and myocardial function. *Cardiovascular Research*, **2020**, 116, 1835-1849	9.9	15
171	MiRNA-181a is a novel regulator of aldosterone-mineralocorticoid receptor-mediated cardiac remodelling. *European Journal of Heart Failure*, **2020**, 22, 1366-1377	12.3	15
170	Blood-based microRNA profiling in patients with cardiac amyloidosis. *PLoS ONE*, **2018**, 13, e0204235	3.7	15
169	Rationale of the FIBROTARGETS study designed to identify novel biomarkers of myocardial fibrosis. *ESC Heart Failure*, **2018**, 5, 139-148	3.7	14
168	Inflammatory Drivers of Cardiovascular Disease: Molecular Characterization of Senescent Coronary Vascular Smooth Muscle Cells. *Frontiers in Physiology*, **2020**, 11, 520	4.6	13
167	Enabling [(18)F]-bicyclo[6.1.0]nonyne for oligonucleotide conjugation for positron emission tomography applications: [(18)F]-anti-microRNA-21 as an example. *Chemical Communications*, **2015**, 51, 9821-4	5.8	13
166	TLR-4+ peripheral blood monocytes and cardiovascular events in patients with chronic kidney disease--a prospective follow-up study. *Nephrology Dialysis Transplantation*, **2011**, 26, 1421-4	4.3	13
165	Identification of Major CYP2C9 and CYP2C19 Polymorphisms by Fluorescence Resonance Energy Transfer Analysis. *Clinical Chemistry*, **2002**, 48, 1592-1594	5.5	13
164	Telomerase therapy attenuates cardiotoxic effects of doxorubicin. *Molecular Therapy*, **2021**, 29, 1395-1410	11.7	13
163	Leveraging clinical epigenetics in heart failure with preserved ejection fraction: a call for individualized therapies. *European Heart Journal*, **2021**, 42, 1940-1958	9.5	13
162	Overexpression of preeclampsia induced microRNA-26a-5p leads to proteinuria in zebrafish. *Scientific Reports*, **2018**, 8, 3621	4.9	12
161	Endothelial function in contemporary patients with repaired coarctation of aorta. *Heart*, **2014**, 100, 1696-701	5.1	12
160	Identification of miR-126 as a new regulator of skin ageing. *Experimental Dermatology*, **2017**, 26, 284-286	4	12
159	Identification of cardiovascular microRNA targetomes. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 674-81	5.8	12

158	The IGF-1 receptor as a therapeutic target to improve endothelial progenitor cell function. *Molecular Medicine*, **2008**, 14, 235-7	6.2	12
157	Microarray-based gene expression profiling to elucidate cellular responses to nitric oxide--a review from an analytical and biomedical point of view. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 851, 3-11	3.2	12
156	Aging impairs alveolar epithelial type II cell function in acute lung injury. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 319, L755-L769	5.8	12
155	Renal AAV2-Mediated Overexpression of Long Non-Coding RNA Attenuates Ischemic Acute Kidney Injury Through Sponging of microRNA-30a-5p. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 323-341	12.7	12
154	Integrative Bioinformatic Analyses of Global Transcriptome Data Decipher Novel Molecular Insights into Cardiac Anti-Fibrotic Therapies. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
153	Selective Heart Irradiation Induces Cardiac Overexpression of the Pro-hypertrophic miR-212. *Frontiers in Oncology*, **2019**, 9, 598	5.3	11
152	Analytical approaches in microRNA therapeutics. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 964, 146-52	3.2	11
151	MicroRNA-based therapeutic approaches in the cardiovascular system. *Cardiovascular Therapeutics*, **2012**, 30, e9-e15	3.3	11
150	Breakthrough in cachexia treatment through a novel selective androgen receptor modulator?!. *Journal of Cachexia, Sarcopenia and Muscle*, **2011**, 2, 121-123	10.3	11
149	miR-21, Mediator, and Potential Therapeutic Target in the Cardiorenal Syndrome. *Frontiers in Pharmacology*, **2020**, 11, 726	5.6	11
148	AntimiR-132 Attenuates Myocardial Hypertrophy in an Animal Model of Percutaneous Aortic Constriction. *Journal of the American College of Cardiology*, **2021**, 77, 2923-2935	15.1	11
147	Circulating microRNAs in Fabry Disease. *Scientific Reports*, **2019**, 9, 15277	4.9	11
146	Verapamil metabolism in distinct regions of the heart and in cultures of cardiomyocytes of adult rats. *Drug Metabolism and Disposition*, **2001**, 29, 761-8	4	11
145	miR-21 and NT-proBNP Correlate with Echocardiographic Parameters of Atrial Dysfunction and Predict Atrial Fibrillation. *Journal of Clinical Medicine*, **2020**, 9,	5.1	10
144	MicroRNA-based therapy in cardiology. *Herz*, **2014**, 39, 194-200	2.6	10
143	Linc-ing the Noncoding Genome to Heart Function: Beating Hypertrophy. *Trends in Molecular Medicine*, **2017**, 23, 577-579	11.5	10
142	Facts and updates about cardiovascular non-coding RNAs in heart failure. *ESC Heart Failure*, **2015**, 2, 108-111	3.1	10
141	Impact of a Met(11)Thr single nucleotide polymorphism of surfactant protein D on allergic airway inflammation in a murine asthma model. *Experimental Lung Research*, **2014**, 40, 154-63	2.3	10

140	ESC Working Group on Myocardial Function Position Paper: how to study the right ventricle in experimental models. *European Journal of Heart Failure*, **2014**, 16, 509-18	12.3	10
139	miRNAGE-34 induces cardiac damAGE. *Cell Research*, **2013**, 23, 866-7	24.7	10
138	Organic nitrates differentially modulate circulating endothelial progenitor cells and endothelial function in patients with symptomatic coronary artery disease. *Antioxidants and Redox Signaling*, **2011**, 15, 925-31	8.4	10
137	Isolation and cultivation of Ca2+ tolerant cardiomyocytes from the adult rat: improvements and applications. *Xenobiotica*, **2000**, 30, 1063-77	2	10
136	In peripartum cardiomyopathy plasminogen activator inhibitor-1 is a potential new biomarker with controversial roles. *Cardiovascular Research*, **2020**, 116, 1875-1886	9.9	10
135	A practical guide for investigating cardiac physiology using living myocardial slices. *Basic Research in Cardiology*, **2020**, 115, 61	11.8	10
134	Association between Circular RNA CDR1as and Post-Infarction Cardiac Function in Pig Ischemic Heart Failure: Influence of the Anti-Fibrotic Natural Compounds Bufalin and Lycorine. *Biomolecules*, **2020**, 10,	5.9	10
133	Risk stratification and management of women with cardiomyopathy/heart failure planning pregnancy or presenting during/after pregnancy: a position statement from the Heart Failure Association of the European Society of Cardiology Study Group on Peripartum Cardiomyopathy. *European Journal of Heart Failure*, **2021**, 23, 527-540	12.3	10
132	Resident cardiac macrophages: crucial modulators of cardiac (patho)physiology. *Basic Research in Cardiology*, **2020**, 115, 77	11.8	9
131	A novel multi-parametric analysis of non-invasive methods to assess animal distress during chronic pancreatitis. *Scientific Reports*, **2019**, 9, 14084	4.9	9
130	Androgen metabolism in thymus of fetal and adult rats. *Drug Metabolism and Disposition*, **2004**, 32, 675-9	4	9
129	Reprogramming of gene expression in cultured cardiomyocytes and in explanted hearts by the myosin ATPase inhibitor butanedione monoxime. *Transplantation*, **2001**, 71, 543-52	1.8	9
128	Living myocardial slices: a novel multicellular model for cardiac translational research. *European Heart Journal*, **2020**, 41, 2405-2408	9.5	9
127	Circulating miR-21 and miR-29a as Markers of Disease Severity and Etiology in Cholestatic Pediatric Liver Disease. *Journal of Clinical Medicine*, **2016**, 5,	5.1	9
126	Noncoding RNAs: potential regulators in cardioncology. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 316, H160-H168	5.2	9
125	Pharmacokinetics and Proceedings in Clinical Application of Nucleic Acid Therapeutics. *Molecular Therapy*, **2021**, 29, 521-539	11.7	9
124	Therapeutic modulation of RNA-binding protein Rbm38 facilitates re-endothelialization after arterial injury. *Cardiovascular Research*, **2019**, 115, 1804-1810	9.9	8
123	Identification of cell and disease specific microRNAs in glomerular pathologies. *Journal of Cellular and Molecular Medicine*, **2019**, 23, 3927-3939	5.6	8

122	Assessment of major mental disorders in a German peripartum cardiomyopathy cohort. *ESC Heart Failure*, **2020**, 7, 4394	3.7	8
121	Cardiac endurance training alters plasma profiles of circular RNA MBOAT2. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 319, H13-H21	5.2	8
120	Epigenetic modulation of vascular diseases: Assessing the evidence and exploring the opportunities. *Vascular Pharmacology*, **2018**,	5.9	8
119	TIP30 counteracts cardiac hypertrophy and failure by inhibiting translational elongation. *EMBO Molecular Medicine*, **2019**, 11, e10018	12	8
118	Conversion from conventional in-centre thrice-weekly haemodialysis to short daily home haemodialysis ameliorates uremia-associated clinical parameters. *International Urology and Nephrology*, **2012**, 44, 883-90	2.3	8
117	Liraglutide for weight loss in obese people. *Lancet, The*, **2010**, 375, 551-2; author reply 552-3	40	8
116	Spotlight on endothelial progenitor cell inhibitors: short review. *Vascular Medicine*, **2005**, 10 Suppl 1, S59-64	3.3	8
115	Spotlight on endothelial progenitor cell inhibitors: short review. *Vascular Medicine*, **2005**, 10, S59-S64	3.3	8
114	Endothelial progenitor cells as potential drug targets. *Current Drug Targets Cardiovascular & Haematological Disorders*, **2005**, 5, 277-86		8
113	miR-21-KO Alleviates Alveolar Structural Remodeling and Inflammatory Signaling in Acute Lung Injury. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
112	Improved cardiovascular risk prediction in patients with end-stage renal disease on hemodialysis using machine learning modeling and circulating microribonucleic acids. *Theranostics*, **2020**, 10, 8665-8676	12.1	8
111	A 3D iPSC-differentiation model identifies interleukin-3 as a regulator of early human hematopoietic specification. *Haematologica*, **2021**, 106, 1354-1367	6.6	8
110	Novel aspects of age-protection by spermidine supplementation are associated with preserved telomere length. *GeroScience*, **2021**, 43, 673-690	8.9	8
109	Stimulating pro-reparative immune responses to prevent adverse cardiac remodelling: consensus document from the joint 2019 meeting of the ESC Working Groups of cellular biology of the heart and myocardial function. *Cardiovascular Research*, **2020**, 116, 1850-1862	9.9	7
108	MicroRNA target sites as genetic tools to enhance promoter-reporter specificity for the purification of pancreatic progenitor cells from differentiated embryonic stem cells. *Stem Cell Reviews and Reports*, **2013**, 9, 555-68	6.4	7
107	Pathologic endothelial response and impaired function of circulating angiogenic cells in patients with Fabry disease. *Basic Research in Cardiology*, **2013**, 108, 311	11.8	7
106	Inhibition of proteasome-mediated glucocorticoid receptor degradation restores nitric oxide bioavailability in myocardial endothelial cells in vitro. *Biology of the Cell*, **2014**, 106, 219-35	3.5	7
105	Measurement and diagnostic use of hepatic cytochrome P450 metabolism of oleic acid in liver disease. *Liver International*, **2010**, 30, 1181-8	7.9	7

104	Nutritional iron deficiency in patients with chronic illnesses. *Lancet, The*, **2007**, 370, 1906	40	7
103	ADMA, Endothelial Progenitor Cells, and Cardiovascular Risk. *Circulation Research*, **2005**, 97,	15.7	7
102	miR-625-3p is upregulated in CD8+ T cells during early immune reconstitution after allogeneic stem cell transplantation. *PLoS ONE*, **2017**, 12, e0183828	3.7	7
101	COVID-19 vaccination in patients with heart failure: a position paper of the Heart Failure Association of the European Society of Cardiology. *European Journal of Heart Failure*, **2021**, 23, 1806-1818	12.3	7
100	Circulating microRNAs predispose to takotsubo syndrome following high-dose adrenaline exposure. *Cardiovascular Research*, **2021**,	9.9	7
99	Heart Failure Association, Heart Failure Society of America, and Japanese Heart Failure Society Position Statement on Endomyocardial Biopsy. *Journal of Cardiac Failure*, **2021**, 27, 727-743	3.3	7
98	Comprehensive Bioinformatics Identifies Key microRNA Players in ATG7-Deficient Lung Fibroblasts. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
97	Non-coding RNAs: Regulators of valvular calcification. *Journal of Molecular and Cellular Cardiology*, **2020**, 142, 14-23	5.8	6
96	Leptin Expression and Gene Methylation Patterns in Alcohol-Dependent Patients with Ethyltoxic Cirrhosis-Normalization After Liver Transplantation and Implications for Future Research. *Alcohol and Alcoholism*, **2018**, 53, 511-517	3.5	6
95	LC-MS/MS and GC-MS/MS measurement of plasma and urine di-paracetamol and 3-nitro-paracetamol: proof-of-concept studies on a novel human model of oxidative stress based on oral paracetamol administration. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 959, 71-81	3.2	6
94	Circulating microRNAs in patients with Shiga-Toxin-producing E. coli O104:H4 induced hemolytic uremic syndrome. *PLoS ONE*, **2012**, 7, e47215	3.7	6
93	Pathophysiology of Takotsubo syndrome□ a joint scientific statement from the Heart Failure Association Takotsubo Syndrome Study Group and Myocardial Function Working Group of the European Society of Cardiology□□Part 2: vascular pathophysiology, gender and sex hormones, genetics, chronic cardiovascular problems and clinical implications. *European Journal of Heart*	12.3	6
92	Remodelling of adult cardiac tissue subjected to physiological and pathological mechanical load in vitro. *Cardiovascular Research*, **2021**,	9.9	6
91	Elevated levels of miR-181c and miR-633 in the CSF of patients with MS: A validation study. *Neurology: Neuroimmunology and NeuroInflammation*, **2019**, 6, e623	9.1	6
90	Effects of personalized endurance training on cellular age and vascular function in middle-aged sedentary women. *European Journal of Preventive Cardiology*, **2019**, 26, 1903-1906	3.9	5
89	Identification of miR-143 as a Major Contributor for Human Stenotic Aortic Valve Disease. *Journal of Cardiovascular Translational Research*, **2019**, 12, 447-458	3.3	5
88	Circulating non-coding RNAs as biomarkers to predict and monitor the response to exercise: chances and hurdles. *European Heart Journal*, **2018**, 39, 3552	9.5	5
87	Leukocyte telomere length correlates with hypertrophic cardiomyopathy severity. *Scientific Reports* , **2018**, 8, 11227	4.9	5

86	Obesity and risk of myocardial infarction: the INTERHEART study. *Lancet, The*, **2006**, 367, 1051-1052	40	5
85	The Long Non-coding RNA Cyrano Is Dispensable for Pluripotency of Murine and Human Pluripotent Stem Cells. *Stem Cell Reports*, **2020**, 15, 13-21	8	5
84	Cardiovascular RNA markers and artificial intelligence may improve COVID-19 outcome: a position paper from the EU-CardioRNA COST Action CA17129. *Cardiovascular Research*, **2021**, 117, 1823-1840	9.9	5
83	Long non-coding RNAs: A crucial part of the vasculature puzzle. *Vascular Pharmacology*, **2019**, 114, 131-138	5.9	5
82	Reciprocal organ interactions during heart failure: a position paper from the ESC Working Group on Myocardial Function. *Cardiovascular Research*, **2021**, 117, 2416-2433	9.9	5
81	Identification of major CYP2C9 and CYP2C19 polymorphisms by fluorescence resonance energy transfer analysis. *Clinical Chemistry*, **2002**, 48, 1592-4	5.5	5
80	Changing Direction: From Therapeutic Telomerase Inhibition to Activation?. *Circulation Research*, **2017**, 120, 1393-1395	15.7	4
79	State-of-the-art on non-coding RNA bioinformatics, diagnostics and therapeutics in cardiovascular diseases: Preface to SI Non-coding RNAs in cardiovascular disease. *Journal of Molecular and Cellular Cardiology*, **2015**, 89, 1-2	5.8	4
78	Novel non-coding RNA-based therapeutic approaches to prevent statin-induced liver damage. *EMBO Molecular Medicine*, **2012**, 4, 863-5	12	4
77	Limitations of gait speed as an independent predictor of mortality and morbidity in cardiac patients. *Journal of the American College of Cardiology*, **2011**, 58, 776; author reply 777	15.1	4
76	Growth hormone regulates vascular function□what we know from bench and bedside. *European Journal of Clinical Pharmacology*, **2006**, 62, 29-32	2.8	4
75	Perspective review of optical imaging in welfare assessment in animal-based research. *Journal of Biomedical Optics*, **2019**, 24, 1-11	3.5	4
74	Cardiac Fibroblast Growth Factor 23 Excess Does Not Induce Left Ventricular Hypertrophy in Healthy Mice. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 745892	5.7	4
73	Combined high-throughput library screening and next generation RNA sequencing uncover microRNAs controlling human cardiac fibroblast biology. *Journal of Molecular and Cellular Cardiology*, **2021**, 150, 91-100	5.8	4
72	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies - from exosomes to microvesicles.. *Cardiovascular Research*, **2022**,	9.9	4
71	microRNA-206 correlates with left ventricular function after transcatheter aortic valve implantation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H1261-H1266	5.2	3
70	Pleiotropic cardiac functions controlled by ischemia-induced lncRNA H19. *Journal of Molecular and Cellular Cardiology*, **2020**, 146, 43-59	5.8	3
69	Trapping of NAPQI, the intermediate toxic paracetamol metabolite, by aqueous sulfide (S□?) and analysis by GC-MS/MS. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 963, 99-105	3.2	3

68	MicroRNAs in cardiac hypertrophy and failure. *Drug Discovery Today Disease Mechanisms*, **2008**, 5, e279-e283		3
67	Sports or statins for atheroprotection? New insight from Kruppel-like factor 2. *Cardiovascular Research*, **2006**, 72, 193-5	9.9	3
66	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC working group on myocardial function and the ESC Working Group on Cellular Biology of the Heart.. *Cardiovascular Research*, **2022**,	9.9	3
65	Skeletal muscle derived Musclin protects the heart during pathological overload.. *Nature Communications*, **2022**, 13, 149	17.4	3
64	Interpretation and actionability of genetic variants in cardiomyopathies: a position statement from the European Society of Cardiology Council on cardiovascular genomics.. *European Heart Journal*, **2022**,	9.5	3
63	Remote vitals monitoring in rodents using video recordings. *Biomedical Optics Express*, **2019**, 10, 4422-4436	3.5	3
62	Detection and transport mechanisms of circulating microRNAs in neurological, cardiac and kidney diseases. *Current Medicinal Chemistry*, **2013**, 20, 3623-8	4.3	3
61	Artificial Intelligence Identifies an Urgent Need for Peripheral Vascular Intervention by Multiplexing Standard Clinical Parameters. *Biomedicines*, **2021**, 9,	4.8	3
60	Alternative strategies in cardiac preclinical research and new clinical trial formats. *Cardiovascular Research*, **2021**,	9.9	3
59	A comprehensive method protocol for annotation and integrated functional understanding of lncRNAs. *Briefings in Bioinformatics*, **2020**, 21, 1391-1396	13.4	3
58	Diagnostic value of circulating microRNAs compared to high-sensitivity troponin T for the detection of non-ST-segment elevation myocardial infarction. *European Heart Journal: Acute Cardiovascular Care*, **2021**, 10, 653-660	4.3	3
57	Dissecting the transcriptome in cardiovascular disease. *Cardiovascular Research*, **2021**,	9.9	3
56	Genomic instability in the naturally and prematurely aged myocardium. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
55	Pathophysiology of Takotsubo Syndrome - a joint scientific statement from the Heart Failure Association Takotsubo Syndrome Study Group and Myocardial Function Working Group of the European Society of Cardiology - Part 1: Overview and the central role for catecholamines and sympathetic nervous system.. *European Journal of Heart Failure*, **2021**,	12.3	3
54	Studying Interactions between 2'-O-Me-Modified Inhibitors and MicroRNAs Utilizing Microscale Thermophoresis. *Molecular Therapy - Nucleic Acids*, **2019**, 18, 259-268	10.7	2
53	Letter by Pinet et al Regarding Article, "Comparative Analysis of Circulating Noncoding RNAs Versus Protein Biomarkers in the Detection of Myocardial Injury". *Circulation Research*, **2019**, 125, e20-e21	15.7	2
52	Tilarginine in patients with acute myocardial infarction and cardiogenic shock. *JAMA - Journal of the American Medical Association*, **2007**, 298, 971; author reply 972-3	27.4	2
51	Mobilization of bone marrow-derived stem cells after myocardial infarction and left ventricular function: simply effects of optimized drug treatment?. *European Heart Journal*, **2005**, 26, 1685; author reply 1685-6	9.5	2

50	Targeted therapies in genetic dilated and hypertrophic cardiomyopathies: From molecular mechanisms to therapeutic targets.. *European Journal of Heart Failure*, **2021**,	12.3	2
49	MiR-486 attenuates cardiac ischemia/reperfusion injury and mediates the beneficial effect of exercise for myocardial protection.. *Molecular Therapy*, **2022**,	11.7	2
48	Propelling Healthcare with Advanced Therapy Medicinal Products: A Policy Discussion. *Biomedicine Hub*, **2020**, 5, 130-152	1.3	2
47	Non-coding RNAs-key regulators of reprogramming, pluripotency and cardiac cell specification with therapeutic perspective for heart regeneration. *Cardiovascular Research*, **2021**,	9.9	2
46	MicroRNAs: Novel Therapeutic Targets for Diabetic Wound Healing. *Contemporary Diabetes*, **2018**, 237-246	-	2
45	Reconstruction of the miR-506-Quaking axis in Idiopathic Pulmonary Fibrosis using integrative multi-source bioinformatics. *Scientific Reports*, **2021**, 11, 12456	4.9	2
44	Serum microRNAs and antifibrotic response to eplerenone in acute myocardial infarction complicated by systolic dysfunction. *International Journal of Cardiology*, **2021**, 332, 35-37	3.2	2
43	Blood-based protein profiling identifies serum protein c-KIT as a novel biomarker for hypertrophic cardiomyopathy. *Scientific Reports*, **2021**, 11, 1755	4.9	2
42	DGK and DZHK position paper on genome editing: basic science applications and future perspective. *Basic Research in Cardiology*, **2021**, 116, 2	11.8	2
41	ADMA, endothelial progenitor cells, and cardiovascular risk. *Circulation Research*, **2005**, 97, e84	15.7	2
40	Refractory angina revisited: stem cells for a growing unmet clinical need?. *European Heart Journal*, **2018**, 39, 2217-2219	9.5	1
39	FO083CHRONIC FGF23 OVERLOAD FAILS TO INDUCE CARDIAC DYSFUNCTIONS. *Nephrology Dialysis Transplantation*, **2019**, 34,	4.3	1
38	Response to Letter Regarding Article, Circulating Endothelial Progenitor Cells in Patients With Eisenmenger Syndrome and Idiopathic Pulmonary Arterial Hypertension *Circulation*, **2009**, 119,	16.7	1
37	Letter by Thum et al regarding article, "Oxidant stress impairs in vivo reendothelialization capacity of endothelial progenitor cells from patients with type 2 diabetes mellitus: restoration by the peroxisome proliferator-activated receptor-gamma agonist rosiglitazone". *Circulation*, **2008**, 117, e185; author reply e186	16.7	1
36	Comprehensive Expression Analysis of Cardiac Fibroblast Growth Factor 23 in Health and Pressure-induced Cardiac Hypertrophy.. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 791479	5.7	1
35	The long non-coding RNA NRON promotes the development of cardiac hypertrophy in the murine heart. *Molecular Therapy*, **2021**,	11.7	1
34	Circulating miR-216a as a biomarker of metabolic alterations and obesity in women. *Non-coding RNA Research*, **2020**, 5, 144-152	6	1
33	MicroRNAs as systemic biomarkers to assess distress in animal models for gastrointestinal diseases. *Scientific Reports*, **2020**, 10, 16931	4.9	1

32	Using "old" medications to fight new COVID-19: Re-purposing with a purpose. *Journal of Molecular and Cellular Cardiology*, **2020**, 146, 41-42	5.8	1
31	Role of endothelial microRNA 155 on capillary leakage in systemic inflammation. *Critical Care*, **2021**, 25, 76	10.8	1
30	Reply to 'COVID-19 severity, miR-21 targets, and common human genetic variation'. *European Journal of Heart Failure*, **2021**, 23, 1987-1988	12.3	1
29	Growth hormone treatment improves markers of systemic nitric oxide bioavailability via the insulin-like growth factor-1 Importance for endothelial progenitor cells. *Journal of Stem Cells and Regenerative Medicine*, **2007**, 2, 115-6	0.8	1
28	Circulating microRNAs in Symptomatic and Asymptomatic Carotid Stenosis.. *Frontiers in Neurology*, **2021**, 12, 755827	4.1	0
27	ERBB4 and Multiple MicroRNAs That Target ERBB4 Participate in Pregnancy-Related Cardiomyopathy. *Circulation: Heart Failure*, **2021**, 14, e006898	7.6	0
26	Pharmacokinetic Studies of Antisense Oligonucleotides Using MALDI-TOF Mass Spectrometry. *Frontiers in Pharmacology*, **2020**, 11, 220	5.6	0
25	LIPCAR Is Increased in Chronic Symptomatic HF Patients. A Sub-Study of the GISSI-HF Trial. *Clinical Chemistry*, **2021**, 67, 1721-1731	5.5	0
24	Prognostic value of circulating microRNAs compared to high-sensitivity troponin T in patients presenting with suspected acute coronary syndrome to the emergency department. *Clinical Biochemistry*, **2021**, 99, 9-9	3.5	0
23	Development and characterization of anti-fibrotic natural compound similars with improved effectivity.. *Basic Research in Cardiology*, **2022**, 117, 9	11.8	0
22	MicroRNA-Mediated Regulation of Cardiovascular Differentiation and Therapeutic Implications **2015**, 1075-1091		
21	The Institute of Molecular and Translational Therapeutic Strategies, Hannover Medical School, Germany. *European Heart Journal*, **2020**, 41, 1459-1461	9.5	
20	Dichotomy between the transcriptomic landscape of naturally versus accelerated aged murine hearts. *Scientific Reports*, **2020**, 10, 8136	4.9	
19	Zirkuläre RNAs: neue Spieler im Kreise der Genregulation. *BioSpektrum*, **2018**, 24, 12-15	0.1	
18	178 Circulating Micrornas for Predicting and Monitoring Response to Mechanical Circulatory Support from a left Ventricular Assist Device. *Heart*, **2014**, 100, A100.2-A101	5.1	
17	MicroRNA and disease models: focus on cardiac fibrosis. *Drug Discovery Today: Disease Models*, **2013**, 10, e115-e119	1.3	
16	199 Takotsubo syndrome associated mir-16 and mir-26a reduce contractility of cardiomyocytes in vitro by an inhibitory g-?protein dependent mechanism. *Heart*, **2017**, 103, A135.1-A135	5.1	
15	Reply: To PMID 24913549. *Hepatology*, **2015**, 61, 1440-1	11.2	

14	Summary of basic science activities at the European Society of Cardiology Congress in Barcelona 2014. *ESC Heart Failure*, **2014**, 1, 166-169	3.7
13	MicroRNAs bei Nierenerkrankungen: kleine Molekü;e mit groß;r Wirkung. *Der Nephrologe*, **2012**, 7, 243-244	0.1
12	The BALANCE study too early to speculate on mortality effects. *Journal of the American College of Cardiology*, **2010**, 55, 263-4; author reply 264	15.1
11	Innovative molekulare Therapiestrategien in der Kardiologie. *Kardiologe*, **2009**, 3, 406-412	0.6
10	MicroRNAs in Immunit;t und Organtransplantation. *Transfusionsmedizin ;mmunh;matologie H;motherapie Transplantationsimmunologie Zelltherapie*, **2012**, 2, 183-187	0.1
9	Pr;vention des linksventrikul;en Remodelings. *Kardiologe*, **2008**, 2, 100-107	0.6
8	Toxicogenomics Applied to Cardiovascular Toxicity **2005**, 395-412	
7	Absence of microRNA-155 protects against pressure overload-induced cardiac inflammation and failure. *FASEB Journal*, **2012**, 26, 137.5	0.9
6	The Janus Face of miR-148a in Cardiac Remodeling and Heart Failure. *Molecular Therapy*, **2019**, 27, 489-490	11.7
5	Aldosterone mediated dysfunction of human endothelial progenitor cells - Mechanisms and therapeutic opportunities. *Journal of Stem Cells and Regenerative Medicine*, **2007**, 2, 39-40	0.8
4	Malfunction of endothelial progenitor cells and endothelial function in patients with Fabry disease. *Journal of Stem Cells and Regenerative Medicine*, **2007**, 2, 161-2	0.8
3	Recent patents on stem cell transplantation in cardiovascular medicine. *Journal of Stem Cells and Regenerative Medicine*, **2007**, 2, 207-8	0.8
2	Nicht kodierende Ribonukleins;re im kardiovaskul;en System. *Kardiologe*, **2022**, 16, 100-108	0.6
1	Neonatal injury models: integral tools to decipher the molecular basis of cardiac regeneration.. *Basic Research in Cardiology*, **2022**, 117, 26	11.8