

Stefanie Dimmeler

List of Publications by Year in Descending Order

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

429
papers

68,804
citations

137
h-index

253
g-index

472
ext. papers

75,321
ext. citations

11.4
avg, IF

7.81
L-index

#	Paper	IF	Citations
429	Comparative analysis of common alignment tools for single-cell RNA sequencing.. <i>GigaScience</i> , 2022 , 11,	7.6	3
428	A human cell atlas of the pressure-induced hypertrophic heart 2022 , 1, 174-185		4
427	Low Circulating Musclin is Associated With Adverse Prognosis in Patients Undergoing Transcatheter Aortic Valve Implantation at Low-Intermediate Risk.. <i>Journal of the American Heart Association</i> , 2022 , e022792	6	0
426	The splicing-regulatory lncRNA NTRAS sustains vascular integrity.. <i>EMBO Reports</i> , 2022 , e54157	6.5	0
425	Locus-Conserved Circular RNA cZNF292 Controls Endothelial Cell Flow Responses. <i>Circulation Research</i> , 2021 ,	15.7	3
424	Fibroblast-mediated intercellular crosstalk in the healthy and diseased heart. <i>FEBS Letters</i> , 2021 ,	3.8	3
423	Angiotensin II receptor blocker intake associates with reduced markers of inflammatory activation and decreased mortality in patients with cardiovascular comorbidities and COVID-19 disease. <i>PLoS ONE</i> , 2021 , 16, e0258684	3.7	1
422	Single Nuclei Sequencing Reveals Novel Insights Into the Regulation of Cellular Signatures in Children With Dilated Cardiomyopathy. <i>Circulation</i> , 2021 , 143, 1704-1719	16.7	11
421	Post-myocardial infarction heart failure dysregulates the bone vascular niche. <i>Nature Communications</i> , 2021 , 12, 3964	17.4	6
420	Additive contribution of microRNA-34a/b/c to human arterial ageing and atherosclerosis. <i>Atherosclerosis</i> , 2021 , 327, 49-58	3.1	7
419	Increased susceptibility of human endothelial cells to infections by SARS-CoV-2 variants. <i>Basic Research in Cardiology</i> , 2021 , 116, 42	11.8	11
418	Single-cell RNA-sequencing reveals profound changes in circulating immune cells in patients with heart failure. <i>Cardiovascular Research</i> , 2021 , 117, 484-494	9.9	18
417	Clonal Hematopoiesis-Driver DNMT3A Mutations Alter Immune Cells in Heart Failure. <i>Circulation Research</i> , 2021 , 128, 216-228	15.7	40
416	Clonal haematopoiesis in chronic ischaemic heart failure: prognostic role of clone size for DNMT3A- and TET2-driver gene mutations. <i>European Heart Journal</i> , 2021 , 42, 257-265	9.5	19
415	Mapping the Endothelial Cell -Sulphydrome Highlights the Crucial Role of Integrin Sulphydration in Vascular Function. <i>Circulation</i> , 2021 , 143, 935-948	16.7	20
414	Single cell sequencing reveals endothelial plasticity with transient mesenchymal activation after myocardial infarction. <i>Nature Communications</i> , 2021 , 12, 681	17.4	36
413	The vasculature: a therapeutic target in heart failure?. <i>Cardiovascular Research</i> , 2021 ,	9.9	7

4 ¹²	The hydrogen-peroxide producing NADPH oxidase 4 does not limit neointima development after vascular injury in mice. <i>Redox Biology</i> , 2021 , 45, 102050	11.3	0
4 ¹¹	Mitochondrial-cell cycle cross-talk drives endoreplication in heart disease. <i>Science Translational Medicine</i> , 2021 , 13, eabi7964	17.5	2
4 ¹⁰	Long non-coding RNA LASSIE regulates shear stress sensing and endothelial barrier function. <i>Communications Biology</i> , 2020 , 3, 265	6.7	14
4 ⁰⁹	Noncoding RNAs in Cardiovascular Disease: Current Knowledge, Tools and Technologies for Investigation, and Future Directions: A Scientific Statement From the American Heart Association. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e000062	5.2	18
4 ⁰⁸	Multiple Somatic Mutations for Clonal Hematopoiesis Are Associated With Increased Mortality in Patients With Chronic Heart Failure. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e003003	5.2	12
4 ⁰⁷	Long Noncoding RNA TYKRIL Plays a Role in Pulmonary Hypertension via the p53-mediated Regulation of PDGFR. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1445-1457	10.2	17
4 ⁰⁶	Non-coding RNAs: update on mechanisms and therapeutic targets from the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2020 , 116, 1805-1819	9.9	18
4 ⁰⁵	Deep Characterization of Circular RNAs from Human Cardiovascular Cell Models and Cardiac Tissue. <i>Cells</i> , 2020 , 9,	7.9	14
4 ⁰⁴	Association of Clonal Hematopoiesis of Indeterminate Potential With Inflammatory Gene Expression in Patients With Severe Degenerative Aortic Valve Stenosis or Chronic Postischemic Heart Failure. <i>JAMA Cardiology</i> , 2020 , 5, 1170-1175	16.2	33
4 ⁰³	Aging-regulated anti-apoptotic long non-coding RNA Sarrah augments recovery from acute myocardial infarction. <i>Nature Communications</i> , 2020 , 11, 2039	17.4	28
4 ⁰²	Noncoding RNAs in Vascular Diseases. <i>Circulation Research</i> , 2020 , 126, 1127-1145	15.7	43
4 ⁰¹	Leaders in Cardiovascular Research: Stefanie Dimmeler. <i>Cardiovascular Research</i> , 2020 , 116, e202-e204	9.9	4
4 ⁰⁰	The histone demethylase JMJD2B regulates endothelial-to-mesenchymal transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4180-4187	11.5	19
3 ⁹⁹	Dissection of heterocellular cross-talk in vascularized cardiac tissue mimetics. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 138, 269-282	5.8	6
3 ⁹⁸	Clonal hematopoiesis, aging, and cardiovascular diseases. <i>Experimental Hematology</i> , 2020 , 83, 95-104	3.1	20
3 ⁹⁷	Cellular cross-talks in the diseased and aging heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 138, 136-146	5.8	22
3 ⁹⁶	Efficiency and Target Derepression of Anti-miR-92a: Results of a First in Human Study. <i>Nucleic Acid Therapeutics</i> , 2020 , 30, 335-345	4.8	36
3 ⁹⁵	SARS-CoV-2 infects and induces cytotoxic effects in human cardiomyocytes. <i>Cardiovascular Research</i> , 2020 , 116, 2207-2215	9.9	101

394	Clonal haematopoiesis in patients with degenerative aortic valve stenosis undergoing transcatheter aortic valve implantation. <i>European Heart Journal</i> , 2020 , 41, 933-939	9.5	71
393	Cell type-specific expression of the putative SARS-CoV-2 receptor ACE2 in human hearts. <i>European Heart Journal</i> , 2020 , 41, 1804-1806	9.5	162
392	Long Non-coding RNA Aerie Controls DNA Damage Repair via YBX1 to Maintain Endothelial Cell Function. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 619079	5.7	7
391	Long non-coding RNAs in vascular biology and disease. <i>Vascular Pharmacology</i> , 2019 , 114, 13-22	5.9	36
390	Inhibition of the Hypoxia-Inducible Factor 1 β -Induced Cardiospecific HERNA1 Enhance-Templated RNA Protects From Heart Disease. <i>Circulation</i> , 2019 , 139, 2778-2792	16.7	15
389	Role of Noncoding RNAs in the Pathogenesis of Abdominal Aortic Aneurysm. <i>Circulation Research</i> , 2019 , 124, 619-630	15.7	44
388	Long non-coding RNA H19 regulates endothelial cell aging via inhibition of STAT3 signalling. <i>Cardiovascular Research</i> , 2019 , 115, 230-242	9.9	63
387	The lncRNA Locus Handsdown Regulates Cardiac Gene Programs and Is Essential for Early Mouse Development. <i>Developmental Cell</i> , 2019 , 50, 644-657.e8	10.2	33
386	Transcriptional heterogeneity of fibroblasts is a hallmark of the aging heart. <i>JCI Insight</i> , 2019 , 4,	9.9	44
385	Therapeutisches Potenzial der nicht kodierenden RNAs ff die akute und chronische Myokardischmie. <i>Aktuelle Kardiologie</i> , 2019 , 8, 223-229	0.1	
384	Association of Mutations Contributing to Clonal Hematopoiesis With Prognosis in Chronic Ischemic Heart Failure. <i>JAMA Cardiology</i> , 2019 , 4, 25-33	16.2	159
383	Hematopoietic Deficiency of the Long Noncoding RNA MALAT1 Promotes Atherosclerosis and Plaque Inflammation. <i>Circulation</i> , 2019 , 139, 1320-1334	16.7	103
382	Identification and regulation of the long non-coding RNA Heat2 in heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 126, 13-22	5.8	19
381	Endothelial to Mesenchymal Transition in Cardiovascular Disease: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 190-209	15.1	189
380	Regulates Igf2bp2 Translation in Cardiomyocytes. <i>Circulation Research</i> , 2018 , 122, 1347-1353	15.7	17
379	A novel long non-coding RNA Myolinc regulates myogenesis through TDP-43 and Filip1. <i>Journal of Molecular Cell Biology</i> , 2018 , 10, 102-117	6.3	38
378	Mechanisms of Cardiac Repair and Regeneration. <i>Circulation Research</i> , 2018 , 122, 1151-1163	15.7	87
377	The lncRNA GATA6-AS epigenetically regulates endothelial gene expression via interaction with LOXL2. <i>Nature Communications</i> , 2018 , 9, 237	17.4	119

376	Clonal Expansion of Endothelial Cells Contributes to Ischemia-Induced Neovascularization. <i>Circulation Research</i> , 2018 , 122, 670-677	15.7	54
375	Comparison of MOLLI, shMOLLI, and SASHA in discrimination between health and disease and relationship with histologically derived collagen volume fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 768-776	4.1	40
374	Switch in Laminin α to Laminin β Isoforms During Aging Controls Endothelial Cell Functions-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 1170-1177	9.4	23
373	MikroRNA-92a-Hemmer für die Behandlung von Herz-Kreislauf-Erkrankungen. <i>CardioVasc</i> , 2018 , 18, 47-51		
372	Non-coding RNAs in cardiovascular diseases: diagnostic and therapeutic perspectives. <i>European Heart Journal</i> , 2018 , 39, 2704-2716	9.5	168
371	Amyloid- β (1-40) and Mortality in Patients With Non-ST-Segment Elevation Acute Coronary Syndrome: A Cohort Study. <i>Annals of Internal Medicine</i> , 2018 , 168, 855-865	8	15
370	RNA Therapeutics in Cardiovascular Disease. <i>Circulation Research</i> , 2018 , 123, 205-220	15.7	86
369	Myeloid Kdm6b deficiency results in advanced atherosclerosis. <i>Atherosclerosis</i> , 2018 , 275, 156-165	3.1	15
368	Logic programming to infer complex RNA expression patterns from RNA-seq data. <i>Briefings in Bioinformatics</i> , 2018 , 19, 199-209	13.4	9
367	Analysis of Cell Type-Specific Effects of MicroRNA-92a Provides Novel Insights Into Target Regulation and Mechanism of Action. <i>Circulation</i> , 2018 , 138, 2545-2558	16.7	34
366	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. <i>Cardiovascular Research</i> , 2018 , 114, 1281-1286	9.9	23
365	Heparin Induces the Mobilization of Heart-Derived Multipotent Mesoangioblasts During Cardiac Surgery With Cardiopulmonary Bypass or Cardiac Catheterization. <i>Circulation Journal</i> , 2018 , 82, 1459-1465	2.9	0
364	Netting Insights into Fibrosis. <i>New England Journal of Medicine</i> , 2017 , 376, 1475-1477	59.2	14
363	The consensus of the Task Force of the European Society of Cardiology concerning the clinical investigation of the use of autologous adult stem cells for the treatment of acute myocardial infarction and heart failure: update 2016. <i>European Heart Journal</i> , 2017 , 38, 2930-2935	9.5	47
362	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. <i>Cardiovascular Research</i> , 2017 , 113, 725-736	9.9	85
361	Light-inducible antimiR-92a as a therapeutic strategy to promote skin repair in healing-impaired diabetic mice. <i>Nature Communications</i> , 2017 , 8, 15162	17.4	79
360	Transcoronary Concentration Gradient of microRNA-133a and Outcome in Patients With Coronary Artery Disease. <i>American Journal of Cardiology</i> , 2017 , 120, 15-24	3	33
359	Identification and Functional Characterization of Hypoxia-Induced Endoplasmic Reticulum Stress Regulating lncRNA (HypERlnc) in Pericytes. <i>Circulation Research</i> , 2017 , 121, 368-375	15.7	41

358	Circular RNAs in heart failure. <i>European Journal of Heart Failure</i> , 2017 , 19, 701-709	12.3	109
357	Shear stress-regulated miR-27b controls pericyte recruitment by repressing SEMA6A and SEMA6D. <i>Cardiovascular Research</i> , 2017 , 113, 681-691	9.9	25
356	Macrophage Kdm6b controls the pro-fibrotic transcriptome signature of foam cells. <i>Epigenomics</i> , 2017 , 9, 383-391	4.4	18
355	Endothelial transcription factor KLF2 negatively regulates liver regeneration via induction of activin A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3993-3998	11.5	19
354	Long Noncoding RNA MANTIS Facilitates Endothelial Angiogenic Function. <i>Circulation</i> , 2017 , 136, 65-79	16.7	145
353	The effect of intracoronary infusion of bone marrow-derived mononuclear cells on all-cause mortality in acute myocardial infarction: rationale and design of the BAMI trial. <i>European Journal of Heart Failure</i> , 2017 , 19, 1545-1550	12.3	36
352	Global position paper on cardiovascular regenerative medicine. <i>European Heart Journal</i> , 2017 , 38, 2532-2546	15.4	90
351	Genetic and pharmacological inhibition of microRNA-92a maintains podocyte cell cycle quiescence and limits crescentic glomerulonephritis. <i>Nature Communications</i> , 2017 , 8, 1829	17.4	34
350	Improved risk stratification in prevention by use of a panel of selected circulating microRNAs. <i>Scientific Reports</i> , 2017 , 7, 4511	4.9	17
349	Endogenous developmental endothelial locus-1 limits ischaemia-related angiogenesis by blocking inflammation. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1150-1163	7	16
348	Screening and validation of lncRNAs and circRNAs as miRNA sponges. <i>Briefings in Bioinformatics</i> , 2017 , 18, 780-788	13.4	190
347	RNAEditor: easy detection of RNA editing events and the introduction of editing islands. <i>Briefings in Bioinformatics</i> , 2017 , 18, 993-1001	13.4	35
346	The identification and characterization of novel transcripts from RNA-seq data. <i>Briefings in Bioinformatics</i> , 2016 , 17, 678-85	13.4	23
345	ANGIOGENES: knowledge database for protein-coding and noncoding RNA genes in endothelial cells. <i>Scientific Reports</i> , 2016 , 6, 32475	4.9	17
344	Novel therapeutic strategies targeting fibroblasts and fibrosis in heart disease. <i>Nature Reviews Drug Discovery</i> , 2016 , 15, 620-638	64.1	175
343	Inhibition of let-7 augments the recruitment of epicardial cells and improves cardiac function after myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 94, 145-152	5.8	28
342	Metabolism Regulates Cellular Functions of Bone Marrow-Derived Cells used for Cardiac Therapy. <i>Stem Cells</i> , 2016 , 34, 2236-48	5.8	4
341	Long noncoding RNA MALAT1-derived mascRNA is involved in cardiovascular innate immunity. <i>Journal of Molecular Cell Biology</i> , 2016 , 8, 178-81	6.3	39

340	Transcoronary gradients of vascular miRNAs and coronary atherosclerotic plaque characteristics. <i>European Heart Journal</i> , 2016 , 37, 1738-49	9.5	48
339	Long Noncoding RNAs: From Clinical Genetics to Therapeutic Targets?. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1214-1226	15.1	287
338	Improved outcome with repeated intracoronary injection of bone marrow-derived cells within a registry: rationale for the randomized outcome trial REPEAT. <i>European Heart Journal</i> , 2016 , 37, 1659-66	9.5	23
337	Long Noncoding RNA Meg3 Controls Endothelial Cell Aging and Function: Implications for Regenerative Angiogenesis. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 2589-2591	15.1	93
336	JMJD8 Regulates Angiogenic Sprouting and Cellular Metabolism by Interacting With Pyruvate Kinase M2 in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 1425-33	9.4	24
335	Adenosine-to-inosine RNA editing controls cathepsin S expression in atherosclerosis by enabling HuR-mediated post-transcriptional regulation. <i>Nature Medicine</i> , 2016 , 22, 1140-1150	50.5	155
334	RNA Therapeutics for Treatment of Cardiovascular Diseases: Promises and Challenges. <i>Circulation Research</i> , 2016 , 119, 794-7	15.7	17
333	C-It-Loci: a knowledge database for tissue-enriched loci. <i>Bioinformatics</i> , 2015 , 31, 3537-43	7.2	26
332	State-of-the-Art Methods for Evaluation of Angiogenesis and Tissue Vascularization: A Scientific Statement From the American Heart Association. <i>Circulation Research</i> , 2015 , 116, e99-132	15.7	90
331	Exercise controls non-coding RNAs. <i>Cell Metabolism</i> , 2015 , 21, 511-2	24.6	7
330	Amyloid-beta (1-40) and the risk of death from cardiovascular causes in patients with coronary heart disease. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 904-16	15.1	64
329	A Universal Aptamer Chimera for the Delivery of Functional microRNA-126. <i>Nucleic Acid Therapeutics</i> , 2015 , 25, 141-51	4.8	33
328	Long noncoding RNAs in cardiovascular diseases. <i>Circulation Research</i> , 2015 , 116, 737-50	15.7	499
327	New potential diagnostic biomarkers for pulmonary hypertension. <i>European Respiratory Journal</i> , 2015 , 46, 1390-6	13.6	22
326	MicroRNA-30 mediates anti-inflammatory effects of shear stress and KLF2 via repression of angiotensin 2. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 88, 111-9	5.8	39
325	Rab7a and Rab27b control secretion of endothelial microRNA through extracellular vesicles. <i>FEBS Letters</i> , 2015 , 589, 3182-8	3.8	46
324	Identification and Characterization of Hypoxia-Regulated Endothelial Circular RNA. <i>Circulation Research</i> , 2015 , 117, 884-90	15.7	255
323	MicroRNAs in myocardial infarction. <i>Nature Reviews Cardiology</i> , 2015 , 12, 135-42	14.8	256

322	Reprogramming of myeloid angiogenic cells by <i>Bartonella henselae</i> leads to microenvironmental regulation of pathological angiogenesis. <i>Cellular Microbiology</i> , 2015 , 17, 1447-63	3.9	11
321	Novel methodologies for biomarker discovery in atherosclerosis. <i>European Heart Journal</i> , 2015 , 36, 2635-42	9.4	133
320	Laminar shear stress inhibits endothelial cell metabolism via KLF2-mediated repression of PFKFB3. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 137-45	9.4	160
319	Brag2 differentially regulates α - and β -integrin-dependent adhesion in endothelial cells and is involved in developmental and pathological angiogenesis. <i>Basic Research in Cardiology</i> , 2014 , 109, 404	11.8	17
318	Long-term clinical outcome after intracoronary application of bone marrow-derived mononuclear cells for acute myocardial infarction: migratory capacity of administered cells determines event-free survival. <i>European Heart Journal</i> , 2014 , 35, 1275-83	9.5	81
317	Translational strategies and challenges in regenerative medicine. <i>Nature Medicine</i> , 2014 , 20, 814-21	50.5	127
316	The histone acetylase activator pentadecylidenemalonate 1b rescues proliferation and differentiation in the human cardiac mesenchymal cells of type 2 diabetic patients. <i>Diabetes</i> , 2014 , 63, 2132-47	0.9	57
315	The small fibrinopeptide B β 1-5-42 as renoprotective agent preserving the endothelial and vascular integrity in early ischemia reperfusion injury in the mouse kidney. <i>PLoS ONE</i> , 2014 , 9, e84432	3.7	10
314	The early activation of toll-like receptor (TLR)-3 initiates kidney injury after ischemia and reperfusion. <i>PLoS ONE</i> , 2014 , 9, e94366	3.7	24
313	Phenotypic characterization of miR-92a ^{-/-} mice reveals an important function of miR-92a in skeletal development. <i>PLoS ONE</i> , 2014 , 9, e101153	3.7	20
312	Long-term inhibition of miR-21 leads to reduction of obesity in db/db mice. <i>Obesity</i> , 2014 , 22, 2352-60	8	43
311	The challenges of autologous cell therapy: systemic anti-thrombotic therapies interfering with serum coagulation may disable autologous serum-containing cell products for therapeutical use. <i>Journal of Cardiovascular Translational Research</i> , 2014 , 7, 644-50	3.3	3
310	Vascular niche controls organ regeneration. <i>Circulation Research</i> , 2014 , 114, 1077-9	15.7	9
309	Inhibition of miR-92a improves re-endothelialization and prevents neointima formation following vascular injury. <i>Cardiovascular Research</i> , 2014 , 103, 564-72	9.9	95
308	Long noncoding RNA MALAT1 regulates endothelial cell function and vessel growth. <i>Circulation Research</i> , 2014 , 114, 1389-97	15.7	652
307	Regulation of miR-17-92a cluster processing by the microRNA binding protein SND1. <i>FEBS Letters</i> , 2013 , 587, 2405-11	3.8	19
306	Impact of intracoronary reinfusion of bone marrow-derived mononuclear progenitor cells on cardiopulmonary exercise capacity in patients with chronic postinfarction heart failure. <i>Clinical Research in Cardiology</i> , 2013 , 102, 619-25	6.1	10
305	MicroRNAs in stem cell function and regenerative therapy of the heart. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1739-46	9.4	55

304	EGFL7 ligates $\alpha 5$ integrin to enhance vessel formation. <i>Blood</i> , 2013 , 121, 3041-50	2.2	50
303	Stem cell compartmentalization in diabetes and high cardiovascular risk reveals the role of DPP-4 in diabetic stem cell mobilopathy. <i>Basic Research in Cardiology</i> , 2013 , 108, 313	11.8	53
302	Histone deacetylase 9 promotes angiogenesis by targeting the antiangiogenic microRNA-17-92 cluster in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 533-43	9.4	77
301	Immunosenescence-associated microRNAs in age and heart failure. <i>European Journal of Heart Failure</i> , 2013 , 15, 385-93	12.3	39
300	Jmjd3 controls mesodermal and cardiovascular differentiation of embryonic stem cells. <i>Circulation Research</i> , 2013 , 113, 856-62	15.7	68
299	Nfat and miR-25 cooperate to reactivate the transcription factor Hand2 in heart failure. <i>Nature Cell Biology</i> , 2013 , 15, 1282-93	23.4	110
298	MicroRNA-34a regulates cardiac ageing and function. <i>Nature</i> , 2013 , 495, 107-10	50.4	586
297	MicroRNAs in age-related diseases. <i>EMBO Molecular Medicine</i> , 2013 , 5, 180-90	12	137
296	Reduced microRNA-150 is associated with poor survival in pulmonary arterial hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 294-302	10.2	126
295	Heparin selectively affects the quantification of microRNAs in human blood samples. <i>Clinical Chemistry</i> , 2013 , 59, 1125-7	5.5	84
294	Effect of shock wave-facilitated intracoronary cell therapy on LVEF in patients with chronic heart failure: the CELLWAVE randomized clinical trial. <i>JAMA - Journal of the American Medical Association</i> , 2013 , 309, 1622-31	27.4	136
293	Regulating angiogenesis with light-inducible AntimiRs. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13558-61	16.4	40
292	Characterization of levels and cellular transfer of circulating lipoprotein-bound microRNAs. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1392-400	9.4	244
291	Inhibition of microRNA-92a protects against ischemia/reperfusion injury in a large-animal model. <i>Circulation</i> , 2013 , 128, 1066-75	16.7	237
290	Procedural safety and predictors of acute outcome of intracoronary administration of progenitor cells in 775 consecutive procedures performed for acute myocardial infarction or chronic heart failure. <i>Circulation: Cardiovascular Interventions</i> , 2013 , 6, 44-51	6	13
289	Regulation der Angiogenese durch lichtinduzierbare AntimiRs. <i>Angewandte Chemie</i> , 2013 , 125, 13801-13805	16	16
288	Recent molecular discoveries in angiogenesis and antiangiogenic therapies in cancer. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3190-200	15.9	427
287	Sustained delivery of SDF-1 α from heparin-based hydrogels to attract circulating pro-angiogenic cells. <i>Biomaterials</i> , 2012 , 33, 4792-800	15.6	137

286	Early remodeling processes as predictors of diastolic function 5 years after reperfused acute myocardial infarction and intracoronary progenitor cell application. <i>Clinical Research in Cardiology</i> , 2012 , 101, 209-16	6.1	11
285	Regulation of cardiac microRNAs by bone marrow mononuclear cell therapy in myocardial infarction. <i>Circulation</i> , 2012 , 125, 1765-73, S1-7	16.7	64
284	MicroRNA-27a/b controls endothelial cell repulsion and angiogenesis by targeting semaphorin 6A. <i>Blood</i> , 2012 , 119, 1607-16	2.2	185
283	Endothelial Wnt/ β -catenin signaling inhibits glioma angiogenesis and normalizes tumor blood vessels by inducing PDGF-B expression. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1611-27	16.6	101
282	Atheroprotective communication between endothelial cells and smooth muscle cells through miRNAs. <i>Nature Cell Biology</i> , 2012 , 14, 249-56	23.4	967
281	Micro-RNA-34a contributes to the impaired function of bone marrow-derived mononuclear cells from patients with cardiovascular disease. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 2107-17	15.1	74
280	Endothelial cell-specific FGD5 involvement in vascular pruning defines neovessel fate in mice. <i>Circulation</i> , 2012 , 125, 3142-58	16.7	51
279	Chemokines CCL3/MIP1 β /CCL5/RANTES and CCL18/PARC are independent risk predictors of short-term mortality in patients with acute coronary syndromes. <i>PLoS ONE</i> , 2012 , 7, e45804	3.7	39
278	MicroRNAs and stem cells: control of pluripotency, reprogramming, and lineage commitment. <i>Circulation Research</i> , 2012 , 110, 1014-22	15.7	118
277	Nox4 is a protective reactive oxygen species generating vascular NADPH oxidase. <i>Circulation Research</i> , 2012 , 110, 1217-25	15.7	452
276	Critical reevaluation of endothelial progenitor cell phenotypes for therapeutic and diagnostic use. <i>Circulation Research</i> , 2012 , 110, 624-37	15.7	498
275	Pressure overload leads to an increase of cardiac resident stem cells. <i>Basic Research in Cardiology</i> , 2012 , 107, 252	11.8	25
274	Elevated levels of the mediator of catabolic bone remodeling RANKL in the bone marrow environment link chronic heart failure with osteoporosis. <i>Circulation: Heart Failure</i> , 2012 , 5, 769-77	7.6	26
273	Inhibition of microRNA-17 improves lung and heart function in experimental pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 409-19	10.2	171
272	Soluble epoxide hydrolase regulates hematopoietic progenitor cell function via generation of fatty acid diols. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9995-10000	11.5	56
271	Intracoronary bone marrow cell application for terminal heart failure in children. <i>Cardiology in the Young</i> , 2012 , 22, 558-63	1	40
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